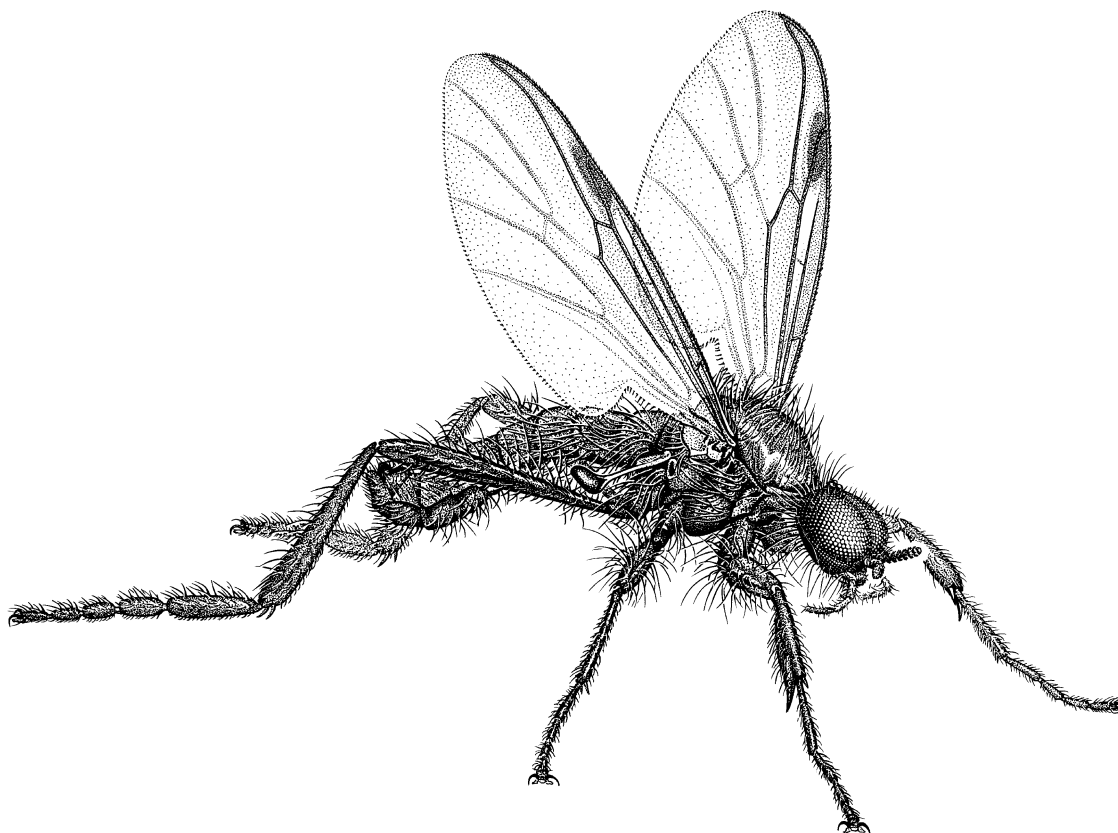

*Diptera types in the
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Collection of Insects*

*Part 1
Nematocera*

*Types de Diptères de la
Collection nationale
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*Première partie
Nématocères*



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CONTENTS**TABLE DES MATIÈRES**

Abstract/ Résumé	1
Introduction	1
Acknowledgments/ Remerciements	4
Bibionidae	5
Blephariceridae	6
Cecidomyiidae	6
Ceratopogonidae	7
Chaoboridae	18
Chironomidae	18
Culicidae	40
Dixidae	41
Mycetophilidae	43
Nymphomyiidae	64
Pachyneuridae	64
Perissommatidae	64
Psychodidae	64
Scatopsidae	65
Sciaridae	67
Simuliidae	67
Synneuridae	78
Thaumaleidae	79
Tipulidae	81
Trichoceridae	85
Literature cited/ Bibliographie	87
Index	104

ABSTRACT

Type material of the nematoceros Diptera housed in the Canadian National Collection, as of 31 December 1987, is cataloged. The collection contains 654 holotypes, 188 associated allotypes, 5 allotypes, 36 lectotypes, and 1 neotype. Fifty-two species are represented by syntypes, 423 by paratypes, and 40 by paralectotypes. Reference to the original description of each taxon is cited. Label data associated with the specimens are fully quoted, except in the case of paratypes and paralectotypes. A bibliography and an index to named taxa are provided.

INTRODUCTION

Primary types are in reality the property of science, and institutions that house them have a special obligation to ensure their safety, their permanent care, and their availability for research. Article 72G(4) of the *International Code of Zoological Nomenclature* recommends that every institution should "publish lists of name-bearing types in its possession or custody" as an institutional responsibility. This book, the first in a continuing series, seeks to implement this recommendation.

The early history of the Canadian National Collection of Insects and Arachnids (CNC), which officially began in 1914, was first compiled by J.H. McDunnough (1926). Dr. McDunnough was appointed as chief of the Division of Systematic Entomology in 1919 with special charge of the CNC. At that time the classified collection of Diptera consisted of 100 drawers. In September 1922 he secured the appointment of C.H. Curran and placed him in charge of Diptera. In 1928 Curran left the CNC to join the staff at the American Museum of Natural History in New York. Following his departure little progress was made on the development of the Diptera section until G.E. Shewell was brought on staff in 1937. By that time the Diptera collection consisted of five insect cabinets containing 250 drawers. With the onset of the Canadian Forest Insect Survey in 1936, and the Northern Insect Survey in 1948, the CNC,

RÉSUMÉ

Ce catalogue répertorie tous les types de Diptères nématocères qui étaient conservés dans la Collection nationale du Canada au 31 décembre 1987. La collection contient 654 holotypes, 188 allotypes correspondants, 5 allotypes non associés, 36 lectotypes et un néotype. Cinquante-deux espèces sont représentées par des syntypes, 423 par des paratypes et 40 par des paralectotypes. Pour chaque taxon, la référence à la description originale est citée. Les données inscrites sur les étiquettes associées aux spécimens sont citées intégralement, sauf dans le cas des paratypes et des paralectotypes. Le catalogue comprend aussi une liste bibliographique et un index de tous les taxons mentionnés.

INTRODUCTION

Les types primaires appartiennent à la science, et les institutions qui les conservent se doivent d'en assurer la sécurité et les soins permanents, et de les mettre à la disposition des chercheurs. L'article 72G(4) du *Code international de nomenclature zoologique* recommande que chaque institution assume la responsabilité de "publier des listes du matériel-type en sa possession ou sous sa garde".

La première tranche de l'histoire de la Collection nationale du Canada d'insectes et d'arachnides (CNC), établie en 1914, a été compilée par J.H. McDunnough (1926). Le Dr McDunnough a été nommé chef de la Division d'entomologie systématique en 1919 et chargé du développement de la Collection. À cette époque, la collection organisée de Diptères comprenait 100 tiroirs. Au mois de septembre 1922, il engagea C.H. Curran et lui confia la responsabilité des Diptères. Curran quitta la Collection nationale en 1928 pour rejoindre le personnel du *American Museum of Natural History* à New York. À la suite du départ de Curran, la collection de Diptères n'enregistra à peu près aucune croissance jusqu'à l'embauche de G.E. Shewell en 1937. À ce moment, la collection de Diptères comprenait cinq cabinets contenant 250 tiroirs. La mise en oeuvre de l'Inventaire des insectes forestiers en 1936 et de l'Inventaire des insectes nordiques en 1948,

including the Diptera collection, grew very rapidly. By 1957 the Diptera collection contained an estimated 600 000 pinned specimens (J.F. McAlpine *in litt.*). In 1960, G.P. Holland reported that the CNC, including the Diptera collection, was growing by about 150 000 specimens annually (Holland 1960). In June 1978, the pinned collection was housed in 4670 drawers (J.F. McAlpine *in litt.*). At an average of 350 specimens per drawer, the approximate number then would have been 1 634 500 specimens. At present it is estimated to contain 1 900 000 specimens.

The rapid growth of the collection was correlated with appointments of additional research staff, namely, A.R. Brooks (1938–1948), J.R. Vockeroth (1949), J.F. McAlpine (1950), J.G. Chillcott (1952), J.A. Downes (1953), D.M. Wood (1960), and D.R. Oliver (1962). With the closing of Agriculture Canada's Medical and Veterinary Research Laboratory at Guelph, Ont. in 1964, B.V. Peterson and H.J. Teskey were transferred to the Diptera Section in Ottawa. The most recent appointments are A. Borkent (1982) and J.M. Cumming (1986). Other internationally known dipterists who worked for shorter periods in the Diptera Section of the CNC are W.R. Thompson (Tachinidae), W. Hennig (Acalyptratae), H.C. Hockett (Muscidae and Anthomyiidae), and K.A. Spencer (Agromyzidae).

Several private collections of Diptera have been incorporated into the CNC. The most notable of these are the tachinid collections of H.J. Reinhard (1968), W.R. Thompson (1969, from Trinidad), and L. Mesnil (1970, 1985), as well as the F.M. Hull collection of Diptera (1973, 1981), a synopic collection of K.A. Spencer's world Agromyzidae (1976), the C.B.D. Garrett collection of Diptera (1961), the N.I. Baranov collection of Simuliidae (1954), and a portion of the F. Schmid collection of Thaumaleidae (1964).

The CNC Diptera collection also contains a large amount of exotic material, most notably, major United States collections from California (Mohave Desert and other localities), Texas, Colorado, North Carolina (Blue Ridge Mts.), Florida, and Hawaii. Equally important are the Neotropical collections, made mainly by L. Pena

entraîna une croissance très rapide de la CNC et, par le fait même, de la collection de Diptères. En 1957, la collection de Diptères contenait approximativement 600 000 spécimens épinglés (J.F. McAlpine *in litt.*). En 1960, G.P. Holland rapporta que la CNC, incluant la collection de Diptères, croissait annuellement d'environ 150 000 spécimens (Holland 1960). En juin 1978, la partie épinglée de la collection de Diptères était contenue dans 4670 tiroirs (J.F. McAlpine *in litt.*). En comptant en moyenne 350 spécimens par tiroir, la collection contenait alors environ 1 634 500 spécimens. Présentement, la collection est estimée à environ 1 900 000 spécimens.

La croissance rapide de la collection a été directement reliée à l'embauche de plusieurs nouveaux chercheurs: A.R. Brooks (1938–1948), J.R. Vockeroth (1949), J.F. McAlpine (1950), J.G. Chilcott (1952), J.A. Downes (1953), D.M. Wood (1960) et D.R. Oliver (1962). La fermeture du Laboratoire d'entomologie médicale et vétérinaire d'Agriculture Canada à Guelph en 1964 amena B.V. Peterson et H.J. Teskey à se joindre à la section des Diptères à Ottawa. Plus récemment, A. Borkent (1982) et J.M. Cumming ont été embauchés. Parmi les diptéristes de renommée internationale qui ont travaillé pendant des périodes plus ou moins brèves dans la section des Diptères se trouvent W.R. Thompson (Tachinidae), W. Hennig (Acalyptratae), H.C. Hockett (Muscidae et Anthomyiidae) et K.A. Spencer (Agromyzidae).

Plusieurs collections privées de Diptères ont été incorporées à la CNC. Les plus remarquables sont les collections de tachinidés de H.J. Reinhard (1968), de W.R. Thompson (1969, matériel de Trinidad) et de L. Mesnil (1970 et 1985), de même que la collection de Diptères de F.M. Hull (1973 et 1981), une collection synoptique d'Agromyzidae du monde de K.A. Spencer (1976), la collection de Diptères de C.B.D. Garrett (1961), la collection de Simuliidae de N.I. Baranov (1954), et une partie de la collection de Thaumaleidae de F. Schmid (1964).

La collection de Diptères comprend aussi une grande quantité de matériel exotique, notamment d'importantes collections de Californie (désert du Mojave et autres localités), du Texas, du Colorado, de Caroline du Nord (Mts Blue

and F. Plaumann from Chile, Ecuador, Peru, Brazil, Argentina, and Juan Fernandez Islands; in addition there are large collections from the West Indies and Mexico. Other areas that are well represented include Nepal, India, Sri Lanka, Australia, New Zealand, New Caledonia, and the H. Falke collection from Uganda. A relatively large collection of European material has been built up over the years through collecting expeditions, purchases, and exchanges. An exchange program with the late A.A. Stackelberg of the Zoological Institute, Leningrad, has resulted in a valuable collection of USSR material.

In this book all nematoceros Diptera types in the CNC have been cataloged through 31 December 1987. In general, the catalog follows the format of Arnaud (1979). Each entry is arranged alphabetically by family, genus, and species. All species are cited under the original combination in the following format: sex, actual year of publication, abbreviated reference to the journal of the original description with "intended" year of publication, volume and number(s), relevant page, figures, and plate numbers, followed by the country in capital letters from which the holotype was collected. For holotypes, allotypes, lectotypes, neotypes, and syntypes all label data associated with the specimen are cited in full. A diagonal line is used to separate the information given on separate labels. In some instances for clarification, additional information not provided on the label is enclosed in square brackets. For paratypes and paralectotypes the number of specimens is given, followed by provincial or state records for Canada and the United States (and country in brackets if different from that of the holotype) or by country for all other regions. Remarks include condition of the type or parts missing, designation of lectotype, and other important information pertinent to the type-specimen or type series. All previously unrecorded types have been assigned CNC type numbers during the course of this cataloging. In the families Chironomidae, Ceratopogonidae, Simuliidae, and Scatopsidae most of the type material is preserved either on slides, in alcohol, or pinned and is so indicated. Unless otherwise indicated, the remaining families have pinned type material. All species are arranged in the index by the specific name,

Ridge), de Floride et de Hawaïi. On y trouve aussi d'importantes collections de la région néotropicale, obtenues principalement de L. Pena et F. Plaumann, comprenant des spécimens du Chili, de l'Équateur, du Pérou, du Brésil, de l'Argentine et des Îles Juan Fernandez, en plus d'un important matériel des Antilles et du Mexique. Parmi les autres régions bien représentées dans la collection, on retrouve le Népal, l'Inde, le Sri Lanka, l'Australie, la Nouvelle-Zélande, la Nouvelle-Calédonie et l'Ouganda (collection de H. Falke). Une imposante collection de matériel européen a été accumulée au cours des années grâce à des expéditions, des achats et des échanges. Un programme d'échange avec feu A.A. Stackelberg de l'Institut zoologique de Leningrad a procuré une collection appréciable de matériel d'URSS.

Le présent catalogue répertorie tous les Diptères nématocères de la CNC identifiés au 31 décembre 1987. De façon générale, la présentation du catalogue est analogue à celle de Arnaud (1979). On a dressé une liste des noms par ordre alphabétique de familles, genres et espèces. Toutes les espèces sont citées suivant leur combinaison originale avec les informations suivantes: le sexe, l'année de publication réelle du nom, la référence abrégée de la revue où a paru la description originale, suivie de l'année de publication "intentionnelle", le volume et le (les) numéro(s), les pages contenant le nom et la description, les illustrations, les numéros des planches, et le nom en majuscules du pays où a été collectionné l'holotype. Dans le cas des holotypes, allotypes, lectotypes, néotypes et syntypes, on cite toutes les données intégrales accompagnant les spécimens. Une barre oblique sépare les informations provenant de différentes étiquettes. Dans certains cas, des informations supplémentaires absentes sur une étiquette sont fournies pour fin d'éclaircissement et sont alors placées entre crochets. Pour ce qui est des paratypes et paralectotypes, le nombre de spécimens est fourni, suivi de la province pour le Canada, de l'état pour les États-Unis, (et le pays entre parenthèses s'il diffère de celui de l'holotype), ou du pays dans tous les autres cas. Des remarques additionnelles fournissent des informations sur l'état du type ou sur ses parties manquantes, la désignation d'un lectotype, et autres détails concernant le spécimen-type ou la

followed by the original generic name and author. A complete bibliography is also provided.

ACKNOWLEDGMENTS

I wish to express my sincere appreciation to my colleagues in the Biosystematics Research Centre, Ottawa, for their valuable comments, criticisms, and assistance: A. Borkent, J.M. Cumming, M.E. Dillon, G.E. Shewell, B.J. Sinclair, H.J. Teskey, J.R. Vockeroth, and D.M. Wood of the Diptera Unit. A special thanks goes to J.F. McAlpine for his support, patience, and valuable suggestions throughout this study. I would also like to especially thank M.E. Dillon for her valuable assistance in locating chironomid types that were on loan or absent from the CNC, and J.F. Landry for the French translation of the introductory sections. Mr. L. Speers of the Biosystematics Research Centre is acknowledged for laser printing the camera ready copy of the manuscript.

série-type. Tous les types auparavant non répertoriés ont reçu un numéro de type de la CNC. Pour ce qui est des familles Chironomidae, Ceratopogonidae, Simuliidae et Scatopsidae, de nombreux types sont préservés soit sur lames de microscope, soit en alcool, alors que d'autres sont épinglés; une indication mentionne le mode de préservation. À moins d'indication contraire, tout le matériel-type des autres familles ne comprend que des spécimens épinglés. Dans l'index, on a dressé la liste des noms d'après leur nom spécifique, suivi du nom générique original et de l'auteur. Une bibliographie exhaustive complète le catalogue.

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J'exprime toute ma reconnaissance à mes collègues du Centre de recherches biosystématiques à Ottawa pour leurs commentaires, leurs critiques et leur aide précieuse. En particulier, je remercie A. Borkent, J.M. Cumming, M.E. Dillon, G.E. Shewell, B.J. Sinclair, H.J. Teskey, J.R. Vockeroth et D.M. Wood de la Section des Diptères. Je tiens à remercier plus spécialement J.F. McAlpine de son appui, de sa patience et de ses précieuses suggestions tout au long de ce travail. Je remercie également M.E. Dillon de m'avoir aidé à localiser certains types de Chironomidés qui étaient prêtés ou absents de la Collection, et J.-F. Landry d'avoir traduit en français les parties d'introduction. L. Speers du Centre de recherches biosystématiques a produit l'original prêt à reproduire de ce catalogue.

BIBIONIDAE

Bibio carri Curran, 1927, Can. Ent. 59: 80. CANADA.

Holotype &: Medicine Hat, Alta., 24-IV-26, F.S.
Carr/Holotype *Bibio carri* & Curran, CNC
No. 2333.

Bibio columbianaensis Hardy, 1938, Can. Ent. 70: 207.
CANADA.

Holotype %: Jesmond, B.C. 3.IX.1937, J.K.
Jacob/Holotype *Bibio columbianaensis* Hardy,
CNC No. 4401/Holotype % *Bibio*
columbianaensis Hardy, Det. 1938, D.E. Hardy.
Paratypes: 4%%, British Columbia.

Bibio hirtus Loew, 1864, Berl. ent. Z. 8: 51. USA.

Syntype: 1&, Cala./Loew coll./*Bibio hirtus* L./(red
label) Types 1251 Paratype *Bibio hirtus* Loew
CNC No. 2142/Syntype *Bibio hirtus* Loew
CNC No. 2142.

Remarks: This specimen appears to be a syntype;
there was no holotype selected in the original
description. I could not find any evidence of
a lectotype designation.

Bibio jacobi Hardy, 1938, Can. Ent. 70: 209. CANADA.

Holotype %: Dunn Pk., B.C., 12.VIII.1937, J.K.
Jacob/Holotype *Bibio jacobi* Hardy, CNC No.
4403/Holotype % *Bibio jacobi* Hardy, Det.
1938, D.E. Hardy.

Remarks: Label on holotype gives a date of
12.VIII.1937 with no listed elevation of 8500
ft. But the original description lists a date of
9.VIII.1937, with an elevation of 8500
ft.

Bibio jacobi var. *rufitibialis* Hardy, 1938, Can. Ent. 70: 209.
CANADA.

Holotype %: Dunn Pk., B.C., 9.VIII.1937, J.K.
Jacob/Holotype *Bibio jacobi rufitibialis*
Hardy, CNC No. 4402/Holotype % *Bibio*
jacobi rufitibialis Hardy, Det. 1938 D.E.
Hardy.

Remarks: Locality label for holotype does not
give any elevation information, but the
original description lists an elevation of 8500
ft.

Bibio knowltoni n.var. *paltidus* Hardy, 1937, Proc. Utah Acad.
Sci. 14: 203. USA.

Paratypes: 3%%, Utah, CNC No. 4297.

Bibio lacteipennis Curran, 1924, Can. Ent. 56: 250.
CANADA.

Holotype %: Revelstoke Mt., B.C., Elevation 6000
ft., 12.VIII.1923 P.N. Vroom/Holotype *Bibio*
lacteipennis Curr., CNC No. 714/Allotype
lacteipennis Curr. CNC No. 714.

Allotype &: Same data as holotype.
Paratypes: 17%%, 3&&, British Columbia.

Remarks: Holotype and allotype are mounted on
the same pin (in cop.).

Bibio lacteipennis n.var. *nigrita* Curran, 1924, Can. Ent. 56:
250. CANADA.

Holotype %: Revelstoke Mt., B.C., Elevation 6000
ft., 12.VIII.1923, E.R. Buckell/Holotype *Bibio*
lacteipennis nigrita Curr., CNC No. 715.

Paratype: 1%, British Columbia.

Remarks: Labeled holotype gives a date of
12.VIII.1923, but the original description
lists a date of 12.VIII.1922

Bibio longipes Loew, 1864, Berl. ent. Z. 8: 55. USA.

Syntype: 1% D.C./Loew coll./Paratype *Bibio*
longipes Loew CNC No. 2143/(red label)
Types 12517/*Bibio longipes* L./Syntype *Bibio*
longipes Loew, CNC No. 2143.

Remarks: This specimen appears to be a syntype;
there was no holotype selected in the original
description. I could not find any evidence of
a lectotype designation.

Bibio lucens Hardy, 1937, Proc. Utah Acad. Sci. 14: 203.
CANADA.

Holotype %: Miner's Bay, Ont., 26.V.1929, G.S.
Walley/Holotype *Bibio lucens* Hardy, CNC
No. 4295/Holotype % *Bibio lucens* Hardy,
Det. 1937 D.E. Hardy.

Paratypes: 2%%, Ontario.

Remarks: Contrary to the original description, the
holotype and two paratypes are deposited in
the CNC.

Bibio melanopilosus Hardy, 1936, Proc. Utah Acad. Sci. 13:
195. USA.

Paratypes: 6%%, Utah, CNC No. 4294.

Bibio necotus Hardy, 1937, Proc. Utah Acad. Sci. 14: 205.
USA.

Paratype: 1%, California, CNC No. 4354.

Bibio nigrifemoratus Hardy, 1937, Proc. Utah Acad. Sci. 14:
206. CANADA.

Holotype %: Monte L., B.C., 13.V.1936, J.K.
Jacob/Holotype % *Bibio nigrifemoratus*
Hardy, CNC No. 4339/Holotype % *Bibio*
nigrifemoratus Hardy, Det. 1937 D.E. Hardy.
Allotype &: Same data as holotype.

Bibio sericata Hardy, 1937, Proc. Utah Acad. Sci. 14: 207.
USA.

Paratypes: 11%%, British Columbia (Canada),
CNC No. 4296.

Bibio simplicis Curran, 1923, Can. Ent. 55: 245. CANADA.

Holotype %: Nordegg, Alta., 1.VIII.1921, J.
McDunnough/Holotype *Bibio simplicis*
Curran, CNC No. 588/5500 ft.
Allotype &: Same data as holotype, except
26.VII.1921.

Paratype: 8%%, Alberta.

Bibio variabilis Loew, 1864, Berl. ent. Z. 8: 53. USA.

Syntype: 1% (No locality label on specimen),
Loew Coll./Paratype *Bibio variabilis* Loew,
No. 2144/(pink label)/(red label) Types
12522/*Bibio variabilis* L./Syntype *Bibio*
variabilis Loew, CNC No. 2144.

Remarks: This specimen appears to be a syntype;
there was no holotype selected in the original
description. I could not find any evidence of
a lectotype designation.

Dilophus serotinus Loew, 1861. Berl. ent. Z. 5: 315. USA.

Syntype: 1 &, Ill./Loew Coll./Paratype *Dilophus*
serotinus Loew/(red label) Types
12528/*Dilophus serotinus* L./Syntype *Dilophus*
serotinus Loew, CNC No. 2145.

Remarks: This specimen appears to be a syntype;
there was no holotype selected in the original
description. I could not find any evidence of
a lectotype designation.

Hesperinus flagellaria Garrett, 1925, Sixty-one new Diptera.
p. 11. CANADA.

Holotype %: Cranbrook, B.C. 27.VI./C. Garrett Collector/Holotype *Hesperinus flagellaria* Garrett, CNC No. 7913/Holotype *Hesperinus flagellaria* Garrett, C.B.D. Garrett.
Allotype &: Same as holotype except 10.VII.
Paratype: 1%, British Columbia.

Philia breviceps n.var. *atelestes* Hardy, 1937, Proc. Utah Acad. Sci. 14: 210. CANADA.
Paratype: 1&, Quebec, CNC No. 4340.

Plecia quatei Hardy, 1967, Pacif. Insects 9(3): 524. NEPAL.
Paratype: 1%, Nepal, CNC No. 16978.

BLEPHARICERIDAE

Bibiocephala canadensis Garrett, 1922, Insector Inscit. menstr. 10(1-3): 89.
Syntypes: 1%, 1&, British Columbia, CNC No. 591.
Remarks: Male syntype has the terminalia dissected; terminalia stored in microvial with glycerine. There is also a syntype deposited in British Museum (see letter to Garrett from JRV).

Bibionus griseus Curran, 1923, Can. Ent. 55: 268. CANADA.
Holotype %: Nordegg, Alta., 26.VI.1921, J. McDunnough/Holotype *Bibionus griseus* Curran, CNC No. 587/Idema illustration.

Elporia natalensis Stuckenberg, 1955, Ann. Natal Mus. 13(2): 191. SOUTH AFRICA.
Paratype: 1%, South Africa, CNC No. 6973.

Liponeura deceptrix Zwick, 1978, Bonn. zool. Beitr. 29(1-3): 249. SPAIN.
Paratypes: 2%%, Spain, CNC No. 17216.
Remarks: The 2 paratypes above had been deposited in the Zoologisches Forschungsinstitut und Museum Alexander Koenig; however, since these 2 specimens originated from the CNC, they are now deposited in the CNC.

Liponeura nevadensis Zwick, 1978, Bonn. zool. Beitr. 29(1-3): 256. SPAIN.
Holotype %: N. slope Veleta, Sierra Nevada, Spain 2200 m/30.VII.1960 J.R. Vockeroth/Holotype *Liponeura nevadensis* Zwick/Holotype *Liponeura nevadensis* Zwick, CNC No. 17215/*Liponeura vockerothi* sp.n. Mannheims det. 1967.
Paratype: 1&, Spain.

Remarks: The holotype and paratype had been deposited in the Zoologisches Forschungsinstitut und Museum Alexander Koenig; however, since the material originated from the CNC, it is now deposited in the CNC. The apical portion of the abdomen and terminalia are mounted on a plastic microslide, pinned with the specimen. The elevation on the labeled holotype specimen is 2200 m not 2000 m as given in the original description.

Paulianina (Paulianina) umbra Stuckenberg, 1959 Mém. Inst. scient. Madagascar (E) (1958), 10: 137. MADAGASCAR.
Paratype: 1%, Madagascar, CNC No. 6974.

Philorus aylmeri Garrett, 1923, Can. Ent. 55: 244. CANADA.

Holotype %: Aylmer Creek, Minnewanka/Banff Alta., 30.VIII.22/C. Garrett Collector/
Holotype *Philorus aylmeri* Garr., CNC No. 589/Slide No. 102/*Philorus aylmeri* C.B.D. Garrett Monotype.

Remarks: Holotype has both wings mounted on a microscope slide. The terminalia appear to have been cut from the holotype and lost.

Philorus markii Garrett, 1925, Seventy new Diptera. p. 5. CANADA.

Syntypes: 2%%, British Columbia, CNC No. 7931.

CECIDOMYIIDAE

Camptomyia pseudotsugae Hedlin & Johnson, 1968, Can. Ent. 100: 532. USA.

Holotype % (slide): Centralia, Wh. USA, Coll. 10.2.59 N.E. Johnson. Larvae in scales of cones of *Pseudotsuga menziesii*, emer. 5.30.60. Holotype % *Camptomyia pseudotsugae* n.sp. CNC No. 9718.
Paratypes: 2%%, 1& (slides), Washington; 1& (slide), British Columbia (Canada).

Cecidomyia accola Vockeroth, 1960, Can. Ent. 92: 76. CANADA.

Holotype % (slide): Espanola, Ont., 2.VI.1958
Host: *Pinus banksiana* 558-0532-02, #67
Holotype *Cecidomyia accola* Vockeroth, CNC No. 6834. Det. lot 58-314, vial 19 J.R. Vockeroth 20.I.59 A. c-t, diaphane.
Paratypes: 4&& (slides), Ontario.

Cecidomyia banksianae Vockeroth, 1960, Can. Ent. 92: 73. CANADA.

Holotype % (slide): Stead, Man., V.1957, W.A. Reeks. Ex larva at base of shoot of *Pinus banksiana*; pupa in cocoon on needle. *Cecidomyia banksianae* % Vockeroth Holotype, CNC No. 6833. Det. lot 57-687, J.R. Vockeroth 18.VI.1958 G. c-t, diaphane.
Paratypes: 3%%, 13&& (slides), Ontario; 2%%, 4&&(slides), 6 larvae (alcohol), Manitoba.
Remarks: Seven of the paratypes have associated pupal exuviae plus larvae stored in CNC alcohol collection.

Cecidomyia reeksi Vockeroth, 1960, Can. Ent. 92: 70. CANADA.

Holotype % (slide): Stead, Man., V.1957 W.A. Reeks. Ex larva in pitch mass on *Pinus banksiana*; pupa in pitch. Holotype *Cecidomyia reeksi* Vockeroth, CNC No. 6832. Det. lot 57-687 J.R. Vockeroth 18.XI.1958 G. c-t, diaphane.
Paratypes: 5%%, 4&& (slides), 20 larvae (alcohol), Manitoba; 6%%, 6&& (slides), Ontario.

Dasyneura rachiphaga Tripp, 1955, Can. Ent. 87: 259. CANADA.

Holotype % (slide): Kemptville, Ont. Can. May, 1954. Host: Rachis of *W. spruce* cone (*P. glauca*). *Dasyneura rachiphaga* Tripp, Det. H.A. Tripp Holotype CNC No. 6255.

Dasyneura sassafra Felt, 1916, Can. Ent. 48: 29. CANADA.

Holotype & (slide): Jordon, Ont. 12.8.1915 W.A. Ross, 9. Sept '15 a2676 N.Y. State Museum. Entomologic division Type *Dasyneura sassafra* Felt. Type *Dasyneura sassafra* CNC

No. 1878, Date Entomological Branch Ottawa, Canada.

Phytophaga carpophaga Tripp, 1955, Can. Ent. 87: 261. CANADA.

Holotype ♀ (slide): Dunrobin, Ont. Canada May 7, 1953. Host - white spruce (*P. glauca*) seed. Holotype *Phytophaga carpophaga* Tripp Det. H.A. Tripp. Holotype CNC No. 6256. Allotype ♂ (slide): Same data as holotype. Paratypes: 5% ♀, 2 ♂♂ (slides), 1 pupa (slide), 3 larvae (slides), Ontario.

Phytophaga piceae Felt, 1926, Can. Ent. 58: 229. CANADA. Syntypes: 23 % ♀, 1 ♂, CNC No. 2288.

"%"; Aweme, Man., N. Criddle, 1.V.1926/Paratype *Phytophaga piceae* Felt, No. 2288/*Phytophaga piceae* Type Felt/Syntype *Phytophaga piceae* Felt, CNC No. 2288. "22% ♀, 1 ♂"; Aweme, Man., N. Criddle 1.V.1926/Paratype *P. piceae* Felt, No. 2288/Syntype *Phytophaga piceae* Felt, CNC No. 2288.

Remarks: All type specimens in the CNC, although labeled as paratypes, are in fact syntypes.

Zygoneura fenestrata Malloch, 1914, Bull. Ill. St. Lab. nat. Hist. (1915) 10(4): 233. USA.

Paralectotypes: 1% ♀, Illinois, CNC No. 2701. Remarks: For lectotype designation see Frison (1927, p. 180).

CERATOPOGONIDAE

Alluaudomyia caribbeana Spinelli & Wirth, 1984, Proc. ent. Soc. Wash. 86(3): 678. BELIZE.

Paratype: 1% (slide), Arizona (USA), CNC No. 19536.

Remarks: In the original description of *A. caribbeana*, *Alluaudomyia* is incorrectly spelled as *Aluudomyia*.

Amerohelea pseudofasciata Grogan & Wirth, 1981, Proc. biol. Soc. Wash. 94(4): 1286. BRAZIL.

Paratype: 1 ♂ (slide), Brazil, CNC No. 19537.

Atrichopogon bifidus Ewen, in Ewen & Saunders 1958, Can. J. Zool. 36: 694. BRAZIL.

Holotype larva (slide): Nictheroy, Brazil, 31.VII.1923 coll. L.G. Saunders/Holotype larva *Atrichopogon bifidus* Ewen, CNC No. 6635/Paratype *Atrichopogon bifidus* Ewen, CNC No. 6635/Diptera Heleidae *Atrichopogon bifidus* Ewen, all stages.

Paratypes: 1% ♀ (slide), 1 pupa (slide), Brazil.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon caribbeanus Ewen, in Ewen & Saunders 1958, Can. J. Zool. 36: 683. TOBAGO, BRITISH WEST INDIES.

Holotype larva (slide): Tobago, B.W.I., 31.V.1953, coll. L.G. Saunders/Holotype larva *Atrichopogon caribbeanus* Ewen, CNC No. 6630/Paratype *Atrichopogon caribbeanus* Ewen, CNC No. 6630/Diptera Heleidae *Atrichopogon caribbeanus* Ewen, all stages.

Paratypes: 1% ♀ (slide), 1 pupal exuvia (slide), Tobago, 1% ♀, 1 ♂, 1 larva, 1 pupal exuvia (alcohol), British West Indies.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon corpulentus Ewen, in Ewen & Saunders 1958, Can. J. Zool. 36: 681. CANADA.

Holotype larva (slide): Nanaimo, B.C., Canada, 22.VII.1926, coll. L.G. Saunders/Holotype larva *Atrichopogon corpulentus* Ewen, CNC No. 6629/Paratype *Atrichopogon corpulentus* Ewen, CNC No. 6629/Diptera Heleidae *Atrichopogon corpulentus* Ewen, all stages.

Paratypes: 1% ♀ (slide), 1 pupal exuvia (slide), 5 larvae, 2% ♀, 1 ♂ (alcohol), British Columbia.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon crinitus Ewen, in Ewen & Saunders 1958, Can. J. Zool. 36: 717. CANADA.

Holotype larva (slide): Nanaimo, B.C., Canada, 22.VII.1926, coll. L.G. Saunders/Holotype larva *Atrichopogon crinitus* Ewen, CNC No. 6640/Paratype *Atrichopogon crinitus* Ewen, CNC No. 6640/Diptera Heleidae *Atrichopogon crinitus* Ewen all stages.

Paratypes: 1% ♀ (slide), 1 pupal exuvia (slide), 1% ♀, 1 pupal exuvia (alcohol), British Columbia.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon flavus Ewen in Ewen & Saunders 1958, Can. J. Zool. 36: 697. CANADA.

Holotype larva (slide): Saskatoon (Beaver Creek), Sask., Canada, 8.X.1955/Holotype larva *Atrichopogon flavus* Ewen, CNC No. 6636/Paratype *Atrichopogon flavus* Ewen, CNC No. 6636/Diptera Heleidae *Atrichopogon flavus* Ewen, all stages.

Paratypes: 1% ♀ (slide), 1 pupal exuvia (slide), 4 larvae, 1 pupal exuvia, 1% ♀ (alcohol), Saskatchewan.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon humicolus Ewen, in Ewen & Saunders 1958, Can. J. Zool. 36: 679. CANADA.

Holotype larva (slide): Saskatoon, Sask., Canada, 9.IX.1955/Holotype larva *Atrichopogon humicolus* Ewen CNC No. 6628/1 paratype *Atrichopogon humicolus* Ewen, CNC No. 6628. Paratype *Atrichopogon humicolus* Ewen, CNC No. 6628/Diptera Heleidae *Atrichopogon humicolus* Ewen all stages.

Paratypes: 1% ♀ (slide), 1 pupal exuvia (slide), 3 larvae, 4% ♀ 3 ♂♂ (alcohol), Saskatchewan.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon inconspicuus Ewen, in Ewen & Saunders, 1958, Can. J. Zool. 36: 706. CANADA.

Holotype larva (slide): Saskatoon, Sask., Canada, 17-24.IX.1955/Holotype larva *Atrichopogon inconspicuus* Ewen, CNC No. 6639/Paratype *Atrichopogon inconspicuus* Ewen, CNC No. 6639/Diptera Heleidae *Atrichopogon inconspicuus* Ewen, all stages.

Paratypes: 1% ♀ (slide), 1 pupal exuvia (slide), 3 pupal exuvia, 2% ♀, 2 ♂♂ (alcohol), Saskatchewan.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon incultus Ewen, *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 699. COSTA RICA.
Holotype larva (slide): Siquirres, Costa Rica, 6-9.VI.1956, coll. L.G. Saunders/Holotype larva *Atrichopogon incultus* Ewen, CNC No. 6637/Paratype *Atrichopogon incultus* Ewen, CNC No. 6637/Diptera Heleidae *Atrichopogon incultus* Ewen, all stages.
Paratypes: 1% 1& (slide), 1 pupal exuviae (slide), 3 larvae, 3&& (alcohol), Costa Rica.
Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon longicornis Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 700. COSTA RICA.
Holotype larva (slide): Siquirres, Costa Rica, 18.VI.1956, Coll. L.G. Saunders/Holotype larva *Atrichopogon longicornis* Ewen, CNC No. 6638/Paratype *Atrichopogon longicornis* Ewen, CNC No. 6638/Diptera Heleidae *Atrichopogon longicornis* Ewen, larva, &,%
Paratypes: 1% 1& (slide), 1& (alcohol), Costa Rica.
Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon maculosus Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 689. CANADA.
Holotype larva (slide): Saskatoon (Beaver Creek), Sask., Canada, 25-28.VIII.1955/ Holotype larva *Atrichopogon maculosus* Ewen, CNC No. 6633/Paratype *Atrichopogon maculosus* Ewen, No. 6633/Diptera Heleidae *Atrichopogon maculosus* Ewen, all stages.
Paratypes: 1% 1& (slide), 1 pupal exuviae (slide), 3 larvae, 4 pupae, 4 pupal exuviae, 1% 2&& (alcohol), Saskatchewan.
Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon obscurus Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 685. PUERTO RICO.
Holotype larva (slide): Mayaguez, Puerto Rico, 25.II.1953, Coll. L.G. Saunders/Holotype larva *Atrichopogon obscurus* Ewen, CNC No. 6631/Paratype *Atrichopogon obscurus* Ewen, CNC No. 6631/Diptera Heleidae *Atrichopogon obscurus* Ewen, larva, pupa, &.
Paratypes: 1& (slide), 1 pupal exuviae (slide), 2 larvae (alcohol), Puerto Rico.
Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon occidentalis Wirth, 1952, Univ. Calif. Publ. Ent. 9(2): 120. USA.
Paratype: 1& (slide), California, CNC No. 19484.

Atrichopogon pollinivorus Downes, 1955, Trans. R. ent. Soc. Lond. 106(12): 442. SCOTLAND.
Paratypes: 13% 26&& (pinned), 1% 1& (slides), Scotland, CNC No. 17476.

Atrichopogon remigatus Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 687. BRAZIL.
Holotype larva (slide): Petropolis, Brazil, 27.VII.1923, Coll. L.G. Saunders/Holotype larva *Atrichopogon remigatus* Ewen, CNC No. 6632/Paratype *Atrichopogon remigatus* Ewen, No. 6632/Diptera Heleidae *Atrichopogon remigatus* Ewen, all stages.
Paratypes: 1% 1& (slide), 1 pupal exuviae (slide), Brazil.

Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon saundersi Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 691. PUERTO RICO.
Holotype larva (slide): Mayaguez, Puerto Rico, 27.III.1953, coll. L.G. Saunders/Holotype larva *Atrichopogon saundersi* Ewen, CNC No. 6634/Paratype *Atrichopogon saundersi* Ewen, No. 6634/Diptera Heleidae *Atrichopogon saundersi* Ewen, all stages.
Paratypes: 1% 1& (slide), 1 pupal exuviae (slide), 2 larvae, 3 pupal exuviae, 2% 2&& (alcohol), Puerto Rico.
Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon tuberculatus Ewen *in* Ewen & Saunders, 1958, Can. J. Zool. 36: 709. TRINIDAD, BRITISH WEST INDIES.
Holotype larva (slide): Macaras, Trinidad, B.W.I., 14.VII.1957, coll. L.G. Saunders/Holotype larva *Atrichopogon tuberculatus* Ewen, CNC No. 6641/Paratype *Atrichopogon tuberculatus* Ewen, CNC No. 6641/Diptera Heleidae *Atrichopogon tuberculatus* Ewen, all stages.
Paratypes: 1% 1& (slide), 1 pupal exuviae (slide), Trinidad; 1% 1 larva, 1 pupal exuviae (alcohol), British West Indies.
Remarks: The holotype and paratypes are mounted on the same slide.

Atrichopogon warmkei Wirth, 1956, Proc. ent. Soc. Wash. 58 (5): 243. PUERTO RICO.
Paratype: 1& (slide), Florida, CNC No. 19485.

Atrichopogon (Melochelea) downesi Wirth, 1980, Proc. ent. Soc. Wash. 82 (1): 129. USA.
Paratypes: 5&& (slides), Tennessee; 12&& (slides), Maine; 2% 9&& (slides), New Brunswick (Canada); 10&& (slides), Quebec (Canada); 2% 7&& (slides), Ontario (Canada), CNC No. 17423.

Bezzia aklavikensis Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 495. CANADA.
Holotype % (slide): Aklavik, N.W.T., 21.VII.1953, C.D. Bird/Holotype % *Bezzia aklavikensis* Wirth & Grogan, CNC No. 19538/Date Coll., No. J.A.D., Can. Nat. Collection.
Allotype & (slide): Same data as holotype.

Bezzia andersonorum Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 497. USA.
Allotype & (slide): *Bezzia andersonorum* Wirth & Grogan, Allotype &, Loc. Rowanton Depot, P.Q., PARATYPE, Date 28.VI.54 Coll. J.A. Downes, No. J.A.D. 03.I.92, L.F., Can. Nat. Collection, CNC No. 19539/Det. M.J. Dow.

Bezzia biannulata Wirth, 1952, Univ. Calif. Publ. Ent. 9(2): 237. USA.
Paratype: 1& (slide), California, CNC No. 19540.

Bezzia chelistyla Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 504. USA.
Paratype: 1& (slide), Arizona, CNC No. 19541.

Bezzia coloradensis Wirth, 1952, Univ. Calif. Publ. Ent. 9(2): 238. USA.
Paratype: 1& (slide), California, CNC No. 19542.

Bezzia downesi Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 93. USA.

- Holotype % (slide): Loc. Mt. Katahdin, Maine, 4600' Date 1.VII.68, Coll. D.R. Oliver, No. J.A.D. 579/21/1 L.F., Holotype *Bezzia downesi* n. sp. Sp. 35 2/Det. M.I. Dow/Holotype *Bezzia downesi* Dow & Turner, CNC No. 17446.
Allotype & (slide): Same data as holotype.
Paratype: 1% (slide), Maine.
- Bezzia fairchildi* Wirth, 1983, Fla Ent. 66(3): 303. USA.
Paratypes: 1%, 2&& (slides), Florida, CNC No. 19543.
- Bezzia frontispina* Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 138. USA.
Paratype: 1& (slide), Arizona, CNC No. 19525.
- Bezzia gibberella* Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 508. USA.
Paratypes: 1%, 1& (slides), Maryland; 2%% (slides), Quebec, (Canada), CNC No. 19544.
- Bezzia luteiventris* Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 510. USA.
Paratypes: 1%, 1& (slides), Virginia, CNC No. 19545.
- Bezzia magnisetula* Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 46. CANADA
Holotype % (slide): Churchill, Man. 14 July 1953, 63/3/351, J.A. Downes, det. M.I.
Dow/Holotype *Bezzia magnisetula* det. M.I. Dow, CNC No. 17445.
Allotype & (slide): Same data as holotype.
Paratypes: 4%%, 4&& (pinned), 3%%, 3&& (slides), Manitoba.
- Bezzia mohave* Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 511. USA.
Allotype % (slide): Loc. Willis Palms Oasis, Thousand Palms, Calif., Date 5.IV.55, Coll. W.R. Richards, No. J.A.D., Can. Nat. Collection L.F. CNC No. 19546/ALLOTYPE % *Bezzia mohave* Wirth & Grogan/Det. M.J. Dow CNC.
- Bezzia saileri* Wirth, 1983, Proc. ent. Soc. Wash. 85(4): 770. USA.
Paratypes: 2%%, 2&& (slides), Alaska, CNC No. 19547.
Remarks: Three of the paratypes have dates of 29.V.1948.
- Bezzia sandersoni* Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 514. USA.
Paratypes: 1%, 1& (slides), Arizona, CNC No. 19548.
- Bezzia setosinotum* Wirth & Grogan, 1983, Proc. biol. Soc. Wash. 96(3): 517. USA.
Paratypes: 1%, 1& (slides), Maryland, CNC No. 19549.
- Bezzia sordida* Wirth, 1952, Univ. Calif. Pubs Ent. 9(2): 232. USA.
Paratypes: 2%%, 2&& (slides), California, CNC No. 19550.
- Bezzia suffusa* Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 110. CANADA.
Holotype % (slide): Churchill, Man. 12 July 1953, J.A. Downes 62/1/94. Holotype %/Holotype *Bezzia suffusa* Dow & Turner, CNC No. 17475/Det. M.I. Dow.
Paratypes: 2%% (pinned), 4%% (slides), Manitoba.
Remarks: The date on the type specimens is 12 July 1953, which differs from the original description of 2 July 1953.
- Bezzia twinni* Wirth, 1983, Proc. ent. Soc. Wash. 85(4): 774. CANADA.
Holotype & (slide): Churchill, Man., 14.VII.1953, J.A. Downes/HOLOTYPE &, *Bezzia twinni* Wirth/Loc. Date. 14.VII.1953, Coll. J.A. Downes, No. J.A.D. 63.3.104, L.F., Can. Nat. Collection, CNC No. 19551.
Allotype % (slide): Same data as holotype, except 63.3.316.
Paratypes: 3%%, 8&& (slides), Manitoba.
- Bezzia unispina* Dow & Turner, 1976, Va Polytech. Inst. St. Univ. Res. Div. Bull. 103: 114. USA.
Paratype: 1& (slide), Alaska, CNC No. 17447.
Remarks: There are 3 additional specimens labeled as paratypes but they are from a locality not published in the original description.
- Brachypogon canadensis* Downes, 1976, Can. Ent. 108: 1147. CANADA.
Holotype % (slide): Rowanton, P.Q., 29 June 1954, J.A. Downes 103/1/94/Holotype *Brachypogon canadensis* Downes, CNC No. 17449/*Brachypogon canadensis* % Loc. Date Coll. No. J.A.D. Can. Nat. Collection.
Allotype & (slide): Same data as holotype, except 103/1/93.
Paratypes: 1& (slide), Quebec; 1& (slide), Michigan (USA); 1% (slide), Maryland (USA); 1%, 1& (slide), Florida (USA).
- Brachypogon kraussi* Grogan & Wirth, 1981, Pacif. Insects 23(1-2): 93. SOLOMON ISLANDS.
Paratype: 1% (slide), Solomon Island, CNC No. 17521.
- Brachypogon tokunagai* Grogan & Wirth, 1981, Pacif. Insects 23(1-2): 96. SOLOMON ISLANDS.
Paratypes: 1%, 1& (slides), Solomon Island, CNC No. 17522.
- Ceratopogon fusinervis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10: 308. USA.
Paralectotype: 1&, Illinois, CNC No. 2702.
Remarks: For lectotype designation see Frison (1927, p. 169).
- Ceratopogon pictus* Coquillett, 1905, JI N.Y. ent. Soc. 13: 60. USA.
Remarks: One specimen (% Fair Grounds, Urbana, Illinois, 20 May 1914) bears two type labels: (1) Allotype *Hartomyia picta* (Coq.) % and (2) Paratype *Hartomyia picta* Coq. CNC No. 2700. Its designation as such is based on the remarks of Frison (1927, p. 171). Clearly the specimen was not before Coquillett when he described the species, and therefore, it has no type status. The name *Ceratopogon pictus* was preoccupied by Meigen 1818, and the species was renamed *C. coquilletti* Kieffer (Kieffer 1917); it is now placed in the genus *Stilobezzia* (*Stilobezzia*).

- Culicoides achrayi* Kettle & Lawson, 1955, Proc. R. ent. Soc. Lond. 24(3-4): 37. SCOTLAND.
Paratypes: 1% 1& Scotland, CNC No. 19622.
- Culicoides annuliductus* Wirth, in Vitale, Wirth & Aitken, 1981, Proc. ent. Soc. Wash. 83(1): 150. PANAMA.
Paratypes: 1% 1& (slides), Panama, CNC No. 19520.
- Culicoides archboldi* Wirth & Blanton, 1970, Fla Ent. 53(1): 39. DOMINICA, WEST INDIES.
Paratypes: 3%%, 2&& (slides), Dominica, West Indies, CNC No. 19521.
- Culicoides arizonensis* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 655. USA.
Paratypes: 2%%, 3&& (slides), 1% 1& (pinned), Arizona, CNC No. 17426.
- Culicoides bayano* Wirth, in Vitale, Wirth & Aitken, 1981, Proc. ent. Soc. Wash. 83(1): 152. PANAMA.
Paratypes: 1% 1& (slides), Panama, CNC No. 19522.
- Culicoides belemensis* Wirth & Blanton, 1973, Amazoniana 4(4): 427. BRAZIL.
Paratypes: 5&& (slides), Brazil, CNC No. 19523.
- Culicoides bicklei* Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 188. USA.
Paratypes: 1% 24&& (slides), 8&& (pinned), Ontario (Canada), CNC No. 17419.
- Culicoides bredini* Wirth & Blanton, 1970, Fla Ent. 53(1): 41. DOMINICA, WEST INDIES.
Paratypes: 1% 1& (slides), Dominica, West Indies, CNC No. 19524.
- Culicoides cacticolus* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 653. USA.
Paratypes: 4%%, 13&& (slides), Arizona; 1% 2&& (slides), 1% 3&& (pinned), California, CNC No. 17427.
Remarks: The 3 pinned female paratypes have a date of 2 Feb 1958, the male pinned paratype has a date of 24 Nov 1957.
- Culicoides canadensis* Wirth & Blanton, 1969, Fla Ent. 52(4): 211. USA.
Paratypes: 8%%, 13&& (pinned), 2%% (slides), Northwest Territories; 3&& (pinned), 1& (slide), Yukon Territory (Canada), CNC No. 17410.
Remarks: One paratype from 14 mi west Whitecourt, Alta., 14 Aug 1961, E.L. Kessel - light; is incorrectly listed under the Northwest Territories in the original description.
- Culicoides carvalhoi* Wirth & Blanton, 1973, Amazoniana 4(4): 429. BRAZIL.
Paratypes: 1% 2&& (slides), Brazil, CNC No. 19526.
- Culicoides cockerellii* ssp. *saltonensis* Wirth, 1952, Univ. Calif. Pubs Ent. 9(2): 173. USA.
Paratype: 1&, California, CNC No. 17478.
- Culicoides denticulatus* Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 193. USA.
Paratypes: 12%%, 45&& (slides), 7%%, 10&& (pinned), Ontario (Canada), CNC No. 17420.
- Culicoides dominicanus* Wirth & Blanton, 1970, Ent. News 81: 146. DOMINICA, WEST INDIES.
Paratypes: 1% 1& (slides), Dominica, West Indies, CNC No. 19527.
- Culicoides downesi* Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 186. CANADA.
Holotype & (slide): Lake Sasajewun, Algonquin Park, Ontario, 12 June 1958 A. Downes - light trap near ducks *Culicoides downesi* Wirth & Hubert/Holotype & *Culicoides downesi* Wirth & Hubert, CNC No. 17421.
Allotype & (slide): Same data as holotype, except 20 June 1958, swept near ducks.
Paratypes: 3&& (slides), Quebec; 3%% (slides), 17&& (pinned), Ontario.
- Culicoides dunningstoni* Kettle & Lawson, 1955, Proc. R. ent. Soc. Lond. 24(3-4): 42. SCOTLAND.
Paratypes: 2%%, 2&& (pinned), Scotland, CNC No. 17518.
Remarks: Both male paratypes have their terminalia mounted on a microscope slide, but I have not been able to locate the slides.
- Culicoides freeborni* Wirth & Blanton, 1969, Fla Ent. 52(4): 217. USA.
Paratypes: 2%%, 3&& (slides), 1% (pinned), California; 1& (pinned), Washington, CNC No. 17411.
- Culicoides frohnei* Wirth & Blanton, 1969, Fla Ent. 52(4): 219. USA.
Paratypes: 1& (slide), Alaska; 7&& (pinned), 2%%, 5&& (slides), Quebec (Canada); 2%% (pinned), 1% 2&& (slides), Manitoba (Canada); 1% 1& (slides), Labrador (Canada); 1& (slide), Alberta (Canada); 1& (slide), Northwest Territories (Canada), CNC No. 17412.
Remarks: Two paratypes from Manitoba have a date of 8 Aug 1951. Two paratypes from Quebec are labeled with a date of 17 July 1954.
- Culicoides gigas* Root & Hoffman, 1937, Am. J. Hyg. 25(1): 172. CANADA.
Holotype &: Fort a la Corne, Sask., 17.7.1925, Kenneth M. King/Holotype *Culicoides gigas* Root & Hoffman, CNC No. 4185/Type/One wing kept by Hoffman/*Culicoides* sp. det. G.S.W./*Culicoides gigas* Root & Hoffman.
- Culicoides gregsoni* Wirth & Blanton, 1969, Fla ent. 52(4): 222. CANADA.
Paratypes: 2&& (slides), British Columbia, CNC No. 17413.
- Culicoides haematopotus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10: 302. USA.
Paralectotype: 1&, Illinois, CNC No. 2703.
Remarks: For lectotype designation see Frison (1927, p. 170).
- Culicoides insolatus* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 654. MEXICO.
Paratypes: 1% 2&& (slides), Mexico (Baja), CNC No. 17428.
- Culicoides jamnbacki* Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 192. USA.
Paratypes: 2&& (slides), Ontario (Canada); CNC No. 17422.
Remarks: There are 3 additional specimens labeled as paratypes, but they were collected

- from localities not mentioned in the original description. There are 2 additional pinned specimens from Algonquin Park, Ont., collected by J.A. Downes labeled as paratypes; however, Wirth & Hubert in original description list only 1 paratype collected by J.A. Downes and 1 paratype collected by B.V. Peterson from Algonquin Park, Ontario.
- Culicoides lacicola* Arnaud, 1956, Microentomology, 21(3): 110. JAPAN.
Paratype: 1& (slide), Japan, CNC No. 17523.
- Culicoides lahontan* Wirth & Blanton, 1969, Fla Ent. 52(4): 223. USA.
Paratypes: 2&& (slides), California, CNC No. 17415.
- Culicoides lupicaris* Downes & Kettle, 1952, Proc. R. ent. Soc. Lond. 21(5-6): 76. SCOTLAND.
Paratypes: 1& (pinned), 1% (slide), Scotland, CNC No. 6108.
Remarks: The male paratype mounted on slide has only the apical portion of the abdomen and terminalia, plus one wing present.
- Culicoides midorensis* Arnaud, 1956, Microentomology, 21(3): 113. JAPAN.
Paratypes: 1%, 1& (slides), Japan, CNC No. 17524.
- Culicoides mohave* Wirth, 1952, Univ. Calif. Pubs Ent. 9(2): 187. USA.
Paratype: 1&, California, CNC No. 17480.
- Culicoides monoensis* Wirth, 1952, Univ. Calif. Pubs Ent. 9(2): 193. USA.
Paratype: 1&, California, CNC No. 17479.
- Culicoides montanus* Wirth & Blanton, 1969, Fla Ent. 52(4): 225. USA.
Paratypes: 2&& (pinned), Montana; 1& (pinned), California; 2&& (slides), Nevada; 1& (slide), Wyoming; 1& (pinned), Manitoba (Canada); 1& (slide), Alberta (Canada); 10&& (pinned), 1& (slide), British Columbia (Canada), CNC No. 17414.
Remarks: *C. montanus* was renamed *C. neomontanus* by Wirth (1976, p. 15) and as such these specimens are also the types of *C. neomontanus*.
- Culicoides neofagineus* Wirth & Blanton, 1969, Fla Ent. 52(4): 227. USA.
Paratypes: 1%, 1& (slides), California, CNC No. 17416.
- Culicoides popayanensis* Wirth & Lee, 1967, Proc. U.S. natn. Mus. 124 (3626): 10. COLOMBIA.
Paratypes: 2&& (slides), Colombia, CNC No. 19528.
- Culicoides pseudochoipterus* Downes & Kettle, 1952, Proc. R. ent. Soc. Lond. 21(5-6): 67. SCOTLAND.
Remarks: A tray in the CNC pinned collection of Ceratopogonidae has a label stating 8 paratypes in the CNC alcohol collection. However these paratypes I have not been able to locate; they had been given a CNC type No. of 6107 in 1953 by J.F. McAlpine.
- Culicoides puracensis* Wirth & Lee, 1967, Proc. U.S. natn. Mus. 124 (3626): 7. COLOMBIA.
Paratypes: 2&& (slides), Colombia, CNC No. 19529.
- Culicoides raposoensis* Wirth & Barreto, 1978, J. Med. Ent. 14(5): 561. COLOMBIA.
Paratypes: 1%, 1& (slides), Colombia, CNC No. 19530.
- Culicoides ryckmani* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 656. USA.
Paratypes: 1% (slide), California; 3%, 3&& (slides), Arizona; 1%, 1& (slides), 3&& (pinned), Mexico (Baja), CNC No. 17429.
- Culicoides sanmartini* Wirth & Barreto, 1978, J. med. Ent. 14(5): 553. COLOMBIA.
Paratypes: 1%, 2&& (slides), Colombia, CNC No. 19531.
- Culicoides scanloni* Wirth & Hubert, 1962, Ann. ent. Soc. Am. 55: 187. USA.
Paratypes: 4&& (slides), 3&& (pinned), Florida, CNC No. 17424.
- Culicoides scoticus* Downes & Kettle, 1952, Proc. R. ent. Soc. Lond. 21(5-6): 65. SCOTLAND.
Paratype: 1% (slide), Scotland, CNC No. 6109.
Remarks: The above paratype is mounted on a slide, but only the wing is present on the side. A tray in the CNC pinned collection indicates there should be some paratypes in the CNC alcohol collection, but these I have not been able to locate.
- Culicoides sierrensis* Wirth & Blanton, 1969, Fla Ent. 52(4): 232. USA.
Paratype: 1& (slide), California, CNC No. 17417.
- Culicoides sitiens* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 652. USA.
Paratypes: 1%, 1& (slides), California, CNC No. 17430.
- Culicoides sommermanae* Wirth & Blanton, 1969, Fla Ent. 52(4): 234. USA.
Paratypes: 2%, 3&& (slides), Alaska, CNC No. 17418.
- Culicoides sphagnumensis* Williams, 1955, Proc. ent. Soc. Wash. 57(6): 269. USA.
Paratypes: 3%, 3&& (slides), Michigan, CNC No. 17432.
- Culicoides tenuistylus* Wirth, 1952, Univ. Calif. Pubs Ent. 9(2): 178. USA.
Paratype: 1&, California, CNC No. 17481.
- Culicoides torridus* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 654. MEXICO.
Paratypes: 1%, 1& (slides), Mexico (Baja), CNC No. 17431.
- Culicoides trapidoi* Wirth & Barreto, 1978, J. med. Ent. 14(5): 554. COLOMBIA.
Paratypes: 1& (slide), Colombia, CNC No. 19532.
- Culicoides variipennis* ssp. *albertensis* Wirth & Jones, 1957, Tech. Bull. U.S. Dep. Agric. 1170: 17. CANADA.
Holotype &: Lethbridge, Alta., 22 July 1955, J.A. Downes 222/4/24/Holotype *Culicoides variipennis albertensis* W. & J. CNC No.

- 17433/Holotype *Culicoides variipennis albertensis* Wirth & Jones.
Allotype & (slide): Same data as holotype.
Paratypes: 11% 1& (pinned), 1% 16&& (slides), Alberta.
- Culicoides variipennis* ssp. *occidentalis* Wirth & Jones, 1957, Tech. Bull. U.S. Dept. Agric. 1170: 21. USA.
Paratype: 1&, California, CNC No. 17477.
- Culicoides vernoni* Wirth & Blanton, 1973, Amazoniana 4(4): 448. BRAZIL.
Paratypes: 1% 1& (slides), Colombia, CNC No. 19533.
- Culicoides werneri* Wirth & Blanton, 1971, J. Kans. ent. Soc. 44(4): 463. USA.
Paratypes: 2% 3&& (slides), Arizona, CNC No. 17425.
- Culicoides xanifer* Wirth & Blanton, 1968, Fla Ent. 51(4): 210. PANAMA.
Paratypes: 1% 1& (slides), Panama, CNC No. 19534.
- Culicoides youngi* Wirth & Barreto, 1978, J. med. Ent. 14(5): 562. COLOMBIA.
Paratypes: 2&& (slides), Colombia, CNC No. 19535.
- Dasyhelea crassiseta* Borkent & Forster, 1986, Can. J. Zool. 64(6): 1285. CANADA.
Holotype % (slide): 5 km. E. Erieau, Ont., Rondeau Prov. Pk., 10-VII-1984, A. Borkent/CD 220 #36/HOLOTYPES %
Dasyhelea crassiseta Borkent & Forster, CNC No. 18562.
Paratype: 1% (slide), Same data as holotype, except slide No. 37.
- Dasyhelea leptobranchia* Waugh & Wirth, 1976, Ann. ent. Soc. Am. 69(2): 236. USA.
Paratypes: 1% 1& (slides), Virginia, CNC No. 19488.
- Dasyhelea luteogrisea* Wirth & Williams, 1957, Proc. ent. Soc. Wash. 59(1): 10. BERMUDA.
Paratype: 1& (slide), Florida (USA), CNC No. 19489.
- Dasyhelea pentalineata* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 644. MEXICO.
Paratypes: 1% 1& (slides), California (USA), CNC No. 19490.
- Dasyhelea pollex* Borkent & Forster, 1986, Can. J. Zool. 64(6): 1286. SAN SALVADOR IS. BAHAMAS.
Holotype % (slide): San Salvador Is. Bahamas, May 9-15 1982, B. Bowen/Date Coll., No. J.A.D. 1504-1-5, Can. Nat. Collection/HOLOTYPES I, *Dasyhelea pollex* Borkent & Forster, CNC No. 18563.
Paratype: 1% (slide), Same data as holotype, except slide No. 6.
- Dasyhelea pseudocinta* Waugh & Wirth, 1976, Ann. ent. Soc. Am. 69(2): 225. USA.
Paratypes: 1% 1& (slides), 1% 1& (pinned), New York, CNC No. 19491.
- Dasyhelea ryckmani* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 646. USA.
Paratype: 1& (slide), California, CNC No. 19519.
- Echinohelea lanei* Wirth, 1951, Proc. ent. Soc. Wash. 53(6): 319. USA.
Paratypes: 2% 1& (slides), 1% (pinned), Virginia, CNC No. 17466.
- Fittkauhelea amazonica* Wirth & Blanton, 1970, Fla Ent. 53(1): 9. BRAZIL.
Paratypes: 2&& (slides), Brazil, CNC No. 17469.
Remarks: There are 2 additional female specimens from the same type locality, but these were not labeled as paratypes.
- Forcipomyia desertensis* Wirth & Hubert, 1960, Ann. ent. Soc. Am. 53(5): 639. USA.
Paratype: 1% (slide), California, CNC No. 19486.
- Forcipomyia harpegonata* Wirth & Soria, 1975, Revta Theobroma. 5(2): 19. PUERTO RICO.
Paratypes: 2% 3&& (slides), Colombia, CNC No. 19487.
- Forcipomyia pergandei* var. *concolor* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10: 319. USA.
Paralectotype: 1&, Illinois, CNC No. 2704.
Remarks: For lectotype designation see Frison (1927, p. 171).
- Forcipomyia simulata* Walley, 1932, Can. Ent. 64: 165. CANADA.
Holotype %: Pembroke, Ont., 8.IX.1931, F.W. Cockburn/In house with *Sciara* sp./Holotype % *Forcipomyia simulata* Walley, CNC No. 3381/slide Chiro No. 4/*Forcipomyia simulata* Wly. Det. G.S. Walley Holot.
Remarks: The abdomen of the holotype is mounted on a microscope slide.
- Forcipomyia (Blantonina) caribbea* Wirth & Dow, 1971, Fla Ent. 54(4): 289. JAMAICA.
Paratypes: 2% 2&& (slides), Jamaica; 1& (slide), Florida (USA), CNC No. 17435.
- Forcipomyia (Caloforcipomyia) caerulea* Saunders 1956, Can. J. Zool. 34: 681. BRAZIL.
Holotype & (slide): Rio de Janeiro, Brazil, 8.VII.23, L.G. Saunders *Forcipomyia (Caloforcipomyia) caerulea* Saund., &, % larva, pupal exuviae/Type CNC No. 6504/Paratype *Forcipomyia (Caloforcipomyia) caerulea* Saunders, CNC No. 6504.
Paratypes: 1% (slide), 1 larva (slide), 1 pupal exuviae (slide), Brazil.
Remarks: All the above type specimens are mounted on the same slide.
- Forcipomyia (Caloforcipomyia) varicolor* Saunders, 1956, Can. J. Zool. 34: 683. BRAZIL.
Holotype & (slide, with associated pupal exuviae): Rio de Janeiro, Brazil, 1.VIII.23, L.G. Saunders. *Forcipomyia (Caloforcipomyia) varicolor* Saund., % larva, pupal exuviae/Type CNC No. 6505/Paratype *Forcipomyia (Caloforcipomyia) varicolor* Saunders, CNC No. 6505.
Paratypes: 1 larva (slide), Brazil.
Remarks: All the above type specimens are mounted on the same slide.
- Forcipomyia (Dacnoforcipomyia) anabaenae* Chan & Saunders, 1965, Can. J. Zool. 43: 528. MALAYSIA.
Holotype larva (slide): Singapore, 25.III.62, *Forcipomyia (Dacnoforcipomyia) anabaenae* Chan and Saunders Larva type, all other stages, No. 8767/Type CNC # 8767/Paratype

- Forcipomyia* (*Dacnoforcipomyia*) *anabaenae* Chan & Saunders, CNC No. 8767.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Malaysia.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia* (*Euprojoannisia*) *canadensis* Bystrak & Wirth, 1978, Tech. Bull. U.S. Dept. Agric. 1591: 19. CANADA.
Paratypes: 1& (slide), Saskatchewan; 1% (slide), 1 pupal exuviae (slide), British Columbia, CNC No. 17436.
- Forcipomyia* (*Euprojoannisia*) *dowi* Bystrak & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1591: 21. USA.
Paratypes: 1%, 1& (slides), Florida, CNC No. 17437.
Remarks: One paratype has a date of Sept 1958, a date not mentioned in the original description.
- Forcipomyia* (*Euprojoannisia*) *fuscicalcarata* Bystrak & Wirth, 1978, Tech. Bull. U.S. Dept. Agric. 1591: 23. USA.
Paratype: 1& (slide), Florida, CNC No. 17437.
Remarks: There is one additional % specimen labeled as a paratype but it is from a locality not mentioned in the original description.
- Forcipomyia* (*Euprojoannisia*) *navaiae* Bystrak & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1591: 31. USA.
Paratypes: 1%, 1& (slides), Florida, CNC No. 17438.
- Forcipomyia* (*Euprojoannisia*) *unica* Bystrak & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1591: 44. USA.
Paratypes: 5&& (slides), Florida, CNC No. 17439.
- Forcipomyia* (*Forcipomyia*) *bystraki* Grogan & Wirth, 1975, Proc. ent. Soc. Wash. 77(4): 466. USA.
Paratypes: 1%, 2&& (slides), Virginia; 2%%, 4&& (slides), Florida, CNC No. 17434.
- Forcipomyia* (*Lasiohelea*) *attenuata* Saunders, 1964, Can. J. Zool. 42: 469. COSTA RICA.
Holotype larva (slide): La Lola, Costa Rica, 2.VI.56, L.G. Saunders. *Forcipomyia* (*Lasiohelea*) *attenuata*, all stages, CNC # 7111/Type larva/Paratype *Forcipomyia* (*Lasiohelea*) *attenuata* Saunders, CNC No. 7111.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia* (*Lasiohelea*) *cornuta* Saunders, 1964, Can. J. Zool. 42: 464. COSTA RICA.
Holotype larva (slide): Nr. Siquirres, Costa Rica, 4.VI.56, L.G. Saunders. *Forcipomyia* (*Lasiohelea*) *cornuta* CNC # 7113 all stages/Type larva/Paratypes *Forcipomyia* (*Lasiohelea*) *cornuta* Saunders, CNC No. 7113.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The holotype and paratypes are mounted on the same slide.
- Forcipomyia* (*Lasiohelea*) *flavescens* Saunders, 1964, Can. J. Zool. 42: 471. PHILIPPINES.
Holotype larva (slide): Luna, P.I., 25.X.61, L.G. Saunders. *Forcipomyia* (*Lasiohelea*) *flavescens*, all stages, CNC # 8405/Type larva/Paratype *Forcipomyia* (*Lasiohelea*) *flavescens* Saunders, CNC No. 8405.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Philippines.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia* (*Lasiohelea*) *longineura* Saunders, 1964, Can. J. Zool. 42: 470. PHILIPPINES.
Holotype larva (slide): Luna, P.I. 25.X.61, L.G. Saunders. *Forcipomyia* (*Lasiohelea*) *longineura*, all stages, CNC # 8406/Type larva/Paratype *Forcipomyia* (*Lasiohelea*) *longineura* Saunders, CNC No. 8406.
Paratypes: 1%, 1& (slide), 1 pupa (slide), 1 pupal exuviae (slide), Philippines.
Remarks: The holotype and 4 paratypes are mounted on the same slide.
- Forcipomyia* (*Lasiohelea*) *intermedia* Saunders, 1964, Can. J. Zool. 42: 468. COSTA RICA.
Holotype larva (slide): Nr. Siquirres, Costa Rica, 15.V.56, L.G. Saunders. *Forcipomyia* (*Lasiohelea*) *intermedia*, all stages, CNC # 7110/Type larva/Paratype *Forcipomyia* (*Lasiohelea*) *intermedia* Saunders, CNC No. 7110.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia* (*Lasiohelea*) *quasicornuta* Saunders, 1964, Can. J. Zool. 42: 467. COSTA RICA.
Holotype larva (slide): Nr. Siquirres, Costa Rica, 6.V.56, L.G. Saunders. *Forcipomyia* (*Lasiohelea*) *quasicornuta* all stages, CNC # 7112/Type larva/Paratype *Forcipomyia* (*Lasiohelea*) *quasicornuta* Saund., CNC No. 7112.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), 1 larval exuviae (slide), Costa Rica.
Remarks: The holotype and 5 paratypes are mounted on the same slide.
- Forcipomyia* (*Metaforcipomyia*) *cerifera* Saunders, 1956, Can. J. Zool. 34: 685. BRAZIL.
Holotype & (slide): Rio de Janeiro, Brazil, 1.VIII.23. *Forcipomyia* (*Metaforcipomyia*) *cerifera* Saund., &, % heads, &, 3rd leg, Inst. of Parasitol, Cambridge Univ., L.G. Saunders/Slide 2/Type CNC No. 6506/Paratype *Forcipomyia* (*Metaforcipomyia*) *cerifera* Saunders, CNC No. 6506.
Paratypes: 1% (slide), 1 larva (slide), Brazil.
Remarks: All of the type series (exclusive of 3 larvae which have not been located) is mounted on four slides (slides 1-4, CNC type no. 6506). The head and hind leg of the holotype & are mounted on slide No 2, along with the head of a male. The two wings of the holotype &, one intact and unstained, the other stained and badly broken, are mounted on slide No. 4, along with the stained wing of a male. Slide No. 3 contains only the male terminalia. Slide No. 1 contains one larva (possibly one of the four paratypes), and a pupal exuvia (probably belong to holotype & or paratype %).
- Forcipomyia* (*Neoforcipomyia*) *crinita* Saunders, 1964, Can. J. Zool. 42: 474. CANADA.

- Holotype larva (slide): Emma Lk., Sask., 19.IV.57, Saunders. Forcipomyia (Neoforcipomyia) crinita, all stages, CNC # 7107/Type larva/Paratype Forcipomyia (Neoforcipomyia) crinita Saunders, CNC No. 7107.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Saskatchewan.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Neoforcipomyia) trinidadensis** Saunders, 1964, Can. J. Zool. 42: 476. TRINIDAD.
Holotype & (slide, with pupal exuviae): TYPE &/CNC # 7108 Forcipomyia (Neoforcipomyia) trinidadensis & and pupal exuviae, St. Augustine, Trinidad, W.I. 3.VII.57, Saunders.
Remarks: The date in the original description is June 28 1957, while the date on the slide label is 3.VII.57.
- Forcipomyia (Proforcipomyia) bromeliae** Saunders, 1956, Can. J. Zool. 34: 665. BRAZIL.
Holotype % (slide): Rio, Brazil, 23.VIII.23, L.G. Saunders, F. (Proforcipomyia) bromeliae, & head, ant., wing, % genitalia, larva, pupa/Type CNC No. 6496/Paratype Forcipomyia (Proforcipomyia) bromeliae Saunders, CNC No. 6496.
Paratypes: 1 larva (slide), 1 pupal exuviae (slide), Brazil.
Remarks: Only the terminalia of the holotype is present on the type slide; the remainder of the holotype is not present in the CNC at this time. The holotype terminalia and 2 paratypes are mounted on the same slide.
- Forcipomyia (Proforcipomyia) falcifera** Saunders, 1959, Can. J. Zool. 37: 39. TRINIDAD, BRITISH WEST INDIES.
Holotype larva (slide): Las Hermanas, nr. San Raphael, Trinidad, B.W.I., 7.VIII.57. Forcipomyia (Proforcipomyia) falcifera larva (holotype), pupal exuviae %, &/Holotype Forcipomyia (Proforcipomyia) falcifera Saunders, Can. Nat. Coll. Type No. 6727, Slide No./Paratype Forcipomyia (Proforcipomyia) falcifera Saunders, CNC No. 6727.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Trinidad.
Remarks: The type specimens are mounted on the same slide.
- Forcipomyia (Proforcipomyia) longispina** Saunders, 1956, Can. J. Zool. 34: 669. Brazil.
Holotype & (slide): Rio de Janeiro, Brazil, 15.VII.23, L.G. Saunders. Forcipomyia (Proforcipomyia) longispina Saund., & larva, pupal exuvia/Type CNC No. 6497/Paratype Forcipomyia (Proforcipomyia) longispina Saunders, CNC No. 6497.
Paratypes: 2 larvae (slide), 1 pupal exuviae (slide), Brazil.
Remarks: The holotype, pupal exuviae and larvae are mounted on the same slide.
- Forcipomyia (Proforcipomyia) mortuifolii** Saunders, 1959, Can. J. Zool. 37: 35. TRINIDAD, BRITISH WEST INDIES.
Holotype % (slide): St. Augustine, Trinidad, B.W.I., 10.VIII.57. Forcipomyia (Proforcipomyia) mortuifolii % (holotype) & pupal exuviae, larva/Holotype Forcipomyia (Proforcipomyia) mortuifolii Saunders, Can. Nat. Coll. Type No. 6729, slide No./Paratype Forcipomyia (Proforcipomyia) mortuifolii Saunders, CNC No. 6729.
Paratypes: 1& (slide), 1 larva (slide), 1 pupal exuviae (slide), Trinidad.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Proforcipomyia) setigera** Saunders, 1959, Can. J. Zool. 37: 38. TRINIDAD, BRITISH WEST INDIES.
Holotype larva (slide): Maracas Valley, Trinidad, B.W.I., 18.VII.57. Forcipomyia (Proforcipomyia) setigera Larva (holotype), pupal exuviae, %, &/Holotype Forcipomyia (Proforcipomyia) setigera Saunders, Can. Nat. Coll. Type No. 6726, Slide No./Paratype Forcipomyia (Proforcipomyia) setigera Saunders, CNC No. 6726.
Paratypes: 1%, 1& (slide), 1 pupal exuviae (slide), Trinidad.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Proforcipomyia) spatulifera** Saunders, 1956, Can. J. Zool. 34: 667. BRAZIL.
Holotype & (slide): Santos, Brazil, 14.VII.23, L.G. Saunders Forcipomyia (Proforcipomyia) spatulifera Saund., & larva, pupal exuviae/Type CNC No. 6498/Paratype Forcipomyia (Proforcipomyia) spatulifera Saunders, CNC No. 6498.
Paratypes: 1 larva (slide), 1 larval exuviae (slide), 1 pupal exuviae (slide), Brazil.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Proforcipomyia) wirthi** Saunders, 1956, Can. J. Zool. 34: 663. USA.
Holotype & (slide): San José, Calif., 22.II.1948, W.W. Wirth (locality label affixed by B.E. Cooper), Forcipomyia (Proforcipomyia) wirthi Saunders, %, & pupal exuv. larvae (2), Type slide, Dept. Biology Univ. of Saskatchewan/Type CNC No. 6495/Paratype Forcipomyia (Proforcipomyia) wirthi Saunders, CNC No. 6495.
Paratypes: 1% (slide), 2 larvae (slide), 1 pupal exuviae (slide), California.
Remarks: The holotype and 4 paratypes are mounted on the same slide. Since no locality label was present on the type slide, B.E. Cooper affixed one with the type data from original description.
- Forcipomyia (Rhynchoforcipomyia) dorsalis** Wirth & Dow, 1972, Ann. ent. Soc. Am. 65(4): 870. MEXICO.
Holotype & (slide): MEXICO, Sinaloa Concordia, 22 mi. e. 4 Aug. 1964 - 3000 ft., W.R. Mason malaise trap/Holotype & Forcipomyia (Rhynchoforcipomyia) dorsalis Wirth & Dow CNC No. 17520.
Paratypes: 3&& (slides), Mexico, CNC No. 17520.
Remarks: The allotype according to the original description is to be deposited in the CNC; however, it is not present at the CNC.
- Forcipomyia (Rhynchoforcipomyia) messersmithi** Wirth & Dow, 1972, Ann. ent. Soc. Am. 65(4): 864. EL SALVADOR.
Paratypes: 4&& (slides), El Salvador, CNC No. 17519.

- Forcipomyia (Saliohelea) leei* Wirth & Ratanaworabhan, 1978, Proc. ent. Soc. Wash. 80(4): 498. COLOMBIA.
Paratypes: 1% 1& (slides), Colombia, CNC No. 17440.
- Forcipomyia (Thyridomyia) aspinosa* Saunders, 1956, Can. J. Zool. 34: 692. CANADA.
Holotype & (slide): Saskatoon, Sask., 20.X.55, L.G. Saunders. Forcipomyia (Thyridomyia) aspinosa Saund., all stages/Type CNC No. 6507/Paratype Forcipomyia (Thyridomyia) aspinosa Saunders, CNC No. 6507.
Paratypes: 1% (slide), 1 pupal exuviae (slide), 1 larva (slide), Saskatchewan.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Thyridomyia) nodosa* Saunders, 1959, Can. J. Zool. 37: 43. COSTA RICA.
Holotype larva (slide): Finca Theobroma, nr. Siquirres, Costa Rica, 15.VI.56. Forcipomyia (Thyridomyia) nodosa, larva (holotype) pupal exuviae &%/Holotype Forcipomyia (Thyridomyia) nodosa Saunders, Can. Nat. Coll. Type No. 6728, slide No/Paratype Forcipomyia (Thyridomyia) nodosa Saunders, CNC No. 6728.
Paratypes: 1% 1& (slide), 1 pupal exuviae (slide), Costa Rica.
Remarks: The type specimens are mounted on the same slide.
- Forcipomyia (Trichohelea) antiguensis* Saunders, 1956, Can. J. Zool. 34: 700. ANTIGUA, BRITISH WEST INDIES.
Holotype & (slide): Falmouth Harbour, Antigua, B.W.I., 6.V.53, L.G. Saunders. Forcipomyia (Trichohelea) antiguensis Saund., all stages/Type CNC No. 6510/Paratype Forcipomyia (Trichohelea) antiguensis Saunders, CNC No. 6510.
Paratypes: 1% (slide), 1 pupal exuviae (slide), 2 larvae (slide), Antigua.
Remarks: The holotype and 4 paratypes are mounted on the same slide.
- Forcipomyia (Trichohelea) caribbeana* Saunders, 1956, Can. J. Zool. 34: 696. TRINIDAD, BRITISH WEST INDIES.
Holotype & (slide): Trinidad, B.W.I., 12.V.53, L.G. Saunders. Forcipomyia (Trichohelea) caribbeana Saund., all stages/Type CNC No. 6508/Paratype Forcipomyia (Trichohelea) caribbeana Saunders, CNC No. 6508.
Paratypes: 1% (slide), 1 pupal exuviae (slide), 1 larva (slide), Trinidad.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Trichohelea) jocosa* Saunders, 1956, Can. J. Zool. 34: 701. TRINIDAD, BRITISH WEST INDIES.
Holotype & (slide): Mt. St. Benedict, Trinidad, B.W.I. 13.V.53, L.G. Saunders. Forcipomyia (Trichohelea) jocosa Saund., all stages/Type CNC No. 6511/Paratype Forcipomyia (Trichohelea) jocosa Saunders, CNC No. 6511.
Paratypes: 1% (slide), 1 pupal exuviae (slide), 2 larvae (slide), Trinidad.
Remarks: The holotype and 4 paratypes are mounted on the same slide.
- Forcipomyia (Trichohelea) oligarthra* Saunders, 1956, Can. J. Zool. 34: 698. PUERTO RICO.
Holotype & (slide): Corcega Beach, P.R., ex. pineapple, 22.II.53, L.G. Saunders. Forcipomyia (Trichohelea) oligarthra Saund., all stages/Type CNC No. 6509/Paratype Forcipomyia (Trichohelea) oligarthra Saunders, CNC No. 6509.
Paratypes: 1% (slide), 1 pupal exuviae (slide), 1 larva (slide), Puerto Rico.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Warmkea) aeria* Saunders, 1956, Can. J. Zool. 34: 675. PUERTO RICO.
Holotype & (slide): Mayaguez, P.R., 18.III.53, L.G. Saunders. Forcipomyia (Warmkea) aeria Saund., &%, larva, pupal exuviae/Type CNC No. 6500/Paratype Forcipomyia (Warmkea) aeria Saunders, CNC No. 6500.
Paratypes: 1% (slide), 1 larva (slide), 1 pupal exuviae (slide), Puerto Rico.
Remarks: The type specimens are mounted on the same slide.
- Forcipomyia (Warmkea) bicolor* Saunders, 1956, Can. J. Zool. 34: 672. PUERTO RICO.
Holotype & (slide): Mayaguez, P.R., 3.II.53, L.G. Saunders. Forcipomyia (Warmkea) bicolor, &%, larva, pupal exuvia/Type CNC No. 6499/Paratype Forcipomyia (Warmkea) bicolor Saunders, CNC No. 6499.
Paratypes: 1% (slide), 1 larva (slide), 1 pupal exuviae (slide), Puerto Rico.
Remarks: The holotype and 3 paratypes are mounted on the same slide.
- Forcipomyia (Warmkea) malayae* Saunders, 1956, Can. J. Zool. 34: 678. MALAYSIA.
Holotype & (slide): Cameron's Highlands, Malaya, 29.I.34, on banana, L.G.S. Holotype Forcipomyia (Warmkea) malayae & (fragmentary), pupal exuviae &%/Type CNC No. 6503/Paratype Forcipomyia (Warmkea) malayae Saunders, CNC No. 6503.
Paratypes: 2 pupal exuviae (slide), Malaysia.
Remarks: The type specimens are mounted on the same slide.
- Forcipomyia (Warmkea) spinosa* Saunders, 1956, Can. J. Zool. 34: 676. PUERTO RICO.
Holotype & (slide): Mayaguez, 3.II.53, L.G. Saunders. Forcipomyia (Warmkea) spinosa Saund., &%, larva, pupal exuviae/Type CNC No. 6501/Paratype Forcipomyia (Warmkea) spinosa Saunders, CNC No. 6501.
Paratypes: 1% 1& (slide), 1 larva (slide), 1 pupal exuviae (slide), Puerto Rico.
Remarks: The holotype and 4 paratypes are mounted on the same slide.
- Forcipomyia (Warmkea) terrestris* Saunders, 1964, Can. J. Zool. 42: 479. TRINIDAD, BRITISH WEST INDIES.
Holotype pupal exuvia (slide): St. Augustine, Trinidad, W.I., 9.VII.57, L.G. Saunders. Forcipomyia (Warmkea) terrestris, all stages, CNC # 7109/Type pupa/Paratype Forcipomyia (Warmkea) terrestris Saunders, CNC No. 7109.
Paratypes: 1% 1& (slide), 1 larva (slide), Trinidad.
Remarks: The holotype and 3 paratypes are mounted on the same slide. On the slide

labeled as type, Saunders gives a locality of St. Augustine, Trinidad, W.I., but the original description cites locality as Las Hermanas plantation near St. Rafael, Trinidad, W.I. Saunders cites the holotype as a pupa; however, it is a pupal exuvia that is mounted on the slide labeled as type.

Forcipomyia (Warmkea) tuberculata Saunders, 1956, Can. J. Zool. 34: 677. TRINIDAD, BRITISH WEST INDIES.

Holotype & (slide): Trinidad, B.W.I., 8.V.53, L.G. Saunders. *Forcipomyia (Warmkea) tuberculata* Saund., &%, larva, pupal exuviae/Type CNC No. 6502/Paratype *Forcipomyia (Warmkea) tuberculata* Saunders, CNC No. 6502.

Paratypes: 1% (slide), 1 larva (slide), 1 pupal exuvia (slide), Trinidad.

Remarks: The type specimens are mounted on the same slide.

Isoecacta poeyi Garrett, 1925, Seventy new Diptera, p. 9. CANADA.

Syntypes: 2 &&, CNC No. 7928.

"I &"; Cranbrook, 24.VIII. B.C./Holotype *Isoecacta poeyi* & C. Garrett, C.B.D. Garrett/SYNTYPE *Isoecacta poeyi* Garrett, CNC No. 7928.

"I &"; Cranbrook, 24.VI.B.C./4240/wing 5605/Paratype *Isoecacta poeyi* & C. Garrett C.B.D. Garrett/SYNTYPE *Isoecacta poeyi* Garrett, CNC No. 7928.

"&" wing, (slide), *Isoecacta poeyi* & C. Garrett, Can. B.C. Cranbrook, 24.VI. = *Alluaudomyia bella* Coq./PARATYPE/Wing &, note R4 and R5 split at tip, CNC No. 7928, 5656 0505.

Remarks: Since no holotype was indicated in the original description, the 2 female specimens are syntypes. However, Garrett labeled one of the specimens as the holotype.

Jenkinshalea blantoni Grogan & Wirth, 1977, Proc. ent. Soc. Wash. 79(1): 139. USA.

Paratypes: 3%&, 2&& (slides), Florida, CNC No. 17470.

Remarks: One paratype has a date of Sept 1971, another a date of June 1971.

Jenkinshalea stonei Grogan & Wirth, 1977, Proc. ent. Soc. Wash. 79(1): 135. USA.

Paratypes: 1% l& (slides), Florida, CNC No. 17471.

Johannseniella flavidula Malloch, 1914, Bull. Ill. St. Lab. nat. Hist. (1915) 10(4): 230. USA.

Paralectotypes: 1% l&, Illinois, CNC No. 2705.

Remarks: For lectotype designation see Frison (1927, p. 172). One paralectotype above, in addition to 2 paratype labels only has a label with the number 13268 for a locality label.

Johannsenomyia albibasis Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. (1918) 11(4): 315. USA.

Paralectotypes: 1% l&, Illinois, CNC No. 2706.

Remarks: For lectotype designation see Frison (1927, p. 172).

Johannsenomyia lanei Wirth, 1965, Proc. ent. Soc. Wash. 67(1): 4. BRAZIL.

Holotype &: Nova Teutonia, 27E11'S, 52E23'W, Brazil, 300-500 m X.1962, Fritz Plaumann/Holotype *Johannsenomyia lanei*

Wirth CNC No. 8773/Holotype & *Johannsenomyia lanei* Wirth.

Johannsenomyia syleae Wirth, 1952, Univ. Calif. Publ. Ent. 9(2): 212. USA.

Paratype: 1% (slide), California, CNC No. 19554.

Remarks: The original description lists the paratypes from Quaking Aspen Meadow, Tulare Co., Calif., as all females. But the above specimen, labeled as a paratype from the same locality, is in fact a male.

Leptoconops (Brachyconops) californiensis Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 16. USA.

Paratypes: 2&& (slides), California, CNC No. 17408.

Leptoconops (Holoconops) arnaudi Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 29. USA.

Paratypes: 1% l& (slides), California, CNC No. 17302.

Leptoconops (Holoconops) asilomer Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 22. USA.

Paratypes: 1% l& (slides), California, CNC No. 17402.

Leptoconops (Holoconops) atchleyi Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 32. USA.

Paratype: 1% (slide), California, CNC No. 17304.

Leptoconops (Holoconops) belkini Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 37. USA.

Paratypes: 1% l& (slides), California, CNC No. 17404.

Leptoconops (Holoconops) foulki Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 38. USA.

Paratypes: 1% 2&& (slides), California, CNC No. 17303.

Leptoconops (Holoconops) knowltoni Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 26. USA.

Paratype: 1% l& (slides), California, CNC No. 17300.

Leptoconops (Holoconops) linleyi Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 49. USA.

Paratypes: 1% (slide), Florida, CNC No. 17403.

Remarks: There are 2 additional specimens on slides labeled as paratypes, but they are from a locality not mentioned in the original description.

Leptoconops (Holoconops) reesi Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 42. USA.

Paratypes: 2&& (slides), Utah, CNC No. 17405.

Leptoconops (Holoconops) whitseli Clastrier & Wirth, 1978, Tech. Bull. U.S. Dep. Agric. 1573: 20. USA.

Paratypes: 5&& (slides), California, CNC No. 17301.

Leptoconops (Leptoconops) carteri Hoffman, 1926, Bull. ent. Res. 17: 133. USA.

Paralectotype: l& (slide), California, CNC No. 17406.

Remarks: For lectotype designation see Wirth & Atchley (1973, p. 22).

Leptoconops (Leptoconops) werneri Wirth & Atchley, 1973, Grad. Stud. Texas Tech. Univ. 5: 34. USA.

Paratypes: 2&& (slides), Arizona; 2%& (slides), Mexico, (Baja California), CNC No. 17407.

- Mallochohelea albihalter* Wirth, 1962, Ann. ent. Soc. Am. 55(3): 280. USA.
Paratypes: 2&& Quebec (Canada); 4&&, 1& (slide), Ontario (Canada), CNC No. 17472.
Remarks: There are 6 additional specimens labeled as paratypes but these were not mentioned in the original description.
- Mallochohelea atripes* Wirth, 1962, Ann. ent. Soc. Am. 55(3): 281. USA.
Paratypes: 2&& (slides), Maryland; 32&& Ontario (Canada), CNC No. 17473.
Remarks: Three female pinned paratypes from Grand Bend, Ontario, have a date of 13.VII.1939.
- Mallochohelea variegata* Wirth, 1962, Ann. ent. Soc. Am. 55(3): 283. USA.
Paratype: 1& Ontario (Canada), CNC No. 17516.
- Monohela jamnbacki* Wirth & Williams, 1964, Ann. ent. Soc. Am. 57(3): 308. USA.
Paratypes: 1% (slide), Quebec (Canada), CNC No. 17450.
- Monohela magnithea* Wirth & Grogan, 1981, Bull. biol. Soc. Wash. 5: 42. USA.
Paratype: 1& (slide), Maryland, CNC No. 19553.
- Neobezzia blantoni* Wirth & Ratanaworabhan, 1972, J. Kans. ent. Soc. 45(4): 482. PANAMA.
Paratypes: 4&& (slides), Brazil, CNC No. 17448.
- Neobezzia costaricae* Wirth & Ratanaworabhan, 1972, J. Kans. ent. Soc. 45(4): 486. COSTA RICA.
Paratype: 1& (slide), Panama, CNC No. 19555.
- Nilobezzia mallochi* Wirth, 1962, Ann. ent. Soc. Am. 55(3): 284. USA.
Paratypes: 1& (pinned), 1& (slide), Ontario (Canada); 1& (pinned), Saskatchewan (Canada), CNC No. 17474.
- Palpomyia canadensis* Grogan & Wirth, 1979, Mem. ent. Soc. Wash. 8: 109. USA.
Paratypes: 1% 1& (slides), Maine; 1& (slide), Alaska; 1& (slide), British Columbia (Canada), CNC No. 17443.
Remarks: One paratype from Maine has a date of 1.VII.68, a date not mentioned in the original description.
- Palpomyia downesi* Grogan & Wirth, 1979, Mem. ent. Soc. Wash. 8: 112. CANADA.
Holotype & (slide): Churchill, Man., 7 Aug. 1953, J.A. Downes 87/1/4/Holotype *Palpomyia downesi* Grogan & Wirth, CNC No. 17441/
Palpomyia n. sp. near *flaviceps* dark, Det. W. Grogan *downesi* G. & W./Date, Coll. No. Can. Nat. Collection.
Allotype % (slide): Same data as holotype except 11 July 1951, 13/4/14. One additional label reads, same as Brooks *flavipes* grp.
Paratypes: 1& (slide), Manitoba; 2%%, 1& (slide), Alberta; 3&& (slide), Northwest Territories.
Remarks: The date on the slide of the allotype is 11 July 1951.
- Palpomyia kernensis* Wirth, 1952, Univ. Calif. Publ. Ent. 9(2): 223. USA.
Paratype: 1& (slide), California, CNC No. 19556.
- Palpomyia plebeiella* Grogan & Wirth, 1975, Univ. Md. Agric. Exp. Sta. Misc. Publ. 875: 20. USA.
Paratype: 1& (slide), Quebec (Canada), CNC No. 17442.
- Palpomyia walteri* Grogan & Wirth, 1979, Mem. ent. Soc. Wash. 8: 62. USA.
Paratypes: 1& (pinned), New Hampshire; 2&& (pinned), 6%%, 6&& (slides), New Brunswick (Canada); 10&& (pinned), 1% 1& (slides), Ontario (Canada); 6&& (pinned), Quebec (Canada); 4&& (pinned), 1% 4&& (slides), Manitoba (Canada); 1& (pinned), Labrador (Canada), CNC No. 17444.
Remarks: There are 6 additional specimens labeled as paratypes but these were inadvertently omitted as paratypes in the original description. One & paratype from New Brunswick has a date of 14.VII.1965, a date not published in original description. Two paratypes from Mer Bleu, Ontario, have dates of 15.VI.1966 and 23.VI.1966.
- Parabezzia costalis* Wirth, 1965, Proc. ent. Soc. Wash. 67(4): 221. PANAMA.
Paratype: 1& (slide), Canal Zone, CNC No. 19557.
- Parabezzia downesi* Wirth, 1965, Proc. ent. Soc. Wash. 67(4): 222. CANADA.
Paratypes: 3%%, 3&& (associated pupal exuviae) (slides), Ontario, CNC No. 17468.
- Parabezzia texensis* Grogan & Wirth, 1977, J. Kans. ent. Soc. 50(1): 60. USA.
Paratype: 1& (slide), Texas, CNC No. 19558.
- Parabezzia williamsi* Wirth, 1965, Proc. ent. Soc. Wash. 67(4): 229. USA.
Paratypes: 2%%, 2&& (slides), Michigan, CNC No. 17467.
- Paradasyhelea albipunctata* Wirth & Lee, 1959, Bull. Brooklyn ent. Soc. 54(4): 116. AUSTRALIA.
Paratype: 1& (slide), Australia, CNC No. 19559.
- Paradasyhelea harrisoni* Wirth, 1981, N. Z. J. Zool. 8: 384. NEW ZEALAND.
Paratype: 1& (slide), New Zealand (Auckland Is.), CNC No. 19560.
- Paradasyhelea minuta* Wirth & Lee, 1959, Bull. Brooklyn ent. Soc. 54(4): 118. AUSTRALIA.
Paratype: 1& (slide), Australia, CNC No. 19561.
- Paradasyhelea olympiae* Wirth & Blanton, 1969, Pan-Pacif. Ent. 45(2): 98. USA.
Paratypes: 4%%, 1& (slides), Washington, CNC No. 17409.
- Phaenobezzia astyla* Spinelli & Wirth, 1986, Fla. Ent. 69(1): 232. COLOMBIA.
Paratypes: 4&& (slides), Colombia, CNC No. 19638.
- Phaenobezzia maya* Spinelli & Wirth, 1986, Fla. Ent. 69(1): 234. BELIZE.
Paratypes: 1% 3&& (slides), British Honduras; 1& (slide), Mexico; 1& (slide), El Salvador, CNC No. 19705.
- Phaenobezzia sabroskyi* Wirth & Grogan, 1982, Mem. ent. Soc. Wash. 10: 189. USA.
Paratypes: 2&& (slides), Florida, CNC No. 19861.

- Probezzia albitibia* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 732. USA.
Paratypes: 8&& Quebec (Canada); 2&& Ontario (Canada); CNC No. 17483.
Remarks: Two females labeled as paratypes from Wakefield, Quebec, were collected on 9.VII.1946. Two paratypes from Marmora, Ontario, are incorrectly listed under Quebec in the original description.
- Probezzia bottimeri* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 734. USA.
Paratype: 1& (slide), Texas, CNC No. 19562.
- Probezzia fulvithorax* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 354. USA.
Paralectotype: 1&, Michigan, CNC No. 2707.
Remarks: For lectotype designation see Frison (1927, p. 175).
- Probezzia fuscipennis* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 735. USA.
Paratype: 1& Quebec (Canada); 1& (with pupal exuviae) (slide), New York, CNC No. 17515.
- Probezzia infuscata* Malloch, 1915, Bull. Ill. St. Lab. Nat. Hist. (1918) 11(4): 316. USA.
Paralectotype: 1%, Illinois, CNC No. 2708.
Remarks: For lectotype designation see Frison (1927, p. 176).
- Probezzia jamnbacki* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 735. USA.
Paratype: 1%, 1& (slide), Ontario (Canada), CNC No. 17514.
- Probezzia nigra* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 736. USA.
Paratype: 1& (slide), Louisiana, CNC No. 19563.
Remarks: There are 2 && labeled as paratypes by Wirth: (1) Ft. Ogden, Fla. 9.IV.1952, J.R. Vockeroth; (2) Torreya St. Park, Fla., 28.VI.1952, O. Peck; but they are listed under other material examined in the original description, and were not included as paratypes.
- Probezzia pallida* Malloch, 1914, Proc. biol. Soc. Wash. 27: 138. USA.
Remarks: One specimen (% White Heath, Ill., 16 May 1915) bears two type labels: (1) Allotype *Probezzia pallida* Malloch % and (2) Paratype *Probezzia pallida* Mal. % CNC No. 2709. Its designation as such is based on the remarks of Frison (1927, p. 176). Clearly the specimen was not before Malloch when he described the species; therefore, it has no type status.
- Probezzia rosewalli* Wirth, 1951, Proc. ent. Soc. Wash. 53(1): 32. USA.
Paratype: 1& (with pupal exuviae) (slide), Louisiana, CNC No. 19564.
- Probezzia williamsi* Wirth, 1971, Ann. ent. Soc. Am. 64(3): 737. USA.
Paratypes: 2&& Ontario (Canada), CNC No. 17482.
Remarks: There is 1 additional specimen from Missisquoi Bay, Quebec, Canada, labeled as a paratype, but this locality was not mentioned in the original description.
- Sphaeromias brevicornis* Wirth, 1952, Univ. Calif. Publs Ent. 9(2): 215. USA.

Paratype: 1& (slide), California, CNC No. 19565.

CHAOBORIDAE

- Chaoborus (Chaoborus) borealis* Cook, 1956, Bull. Minn. agric. Exp. Sta. 218: 25. CANADA.
Holotype % (slide): Whitehorse, Y.T. 18/V/1949, L.C. Curtis. Holotype *Chaoborus borealis* Cook, Date '51. CNC No. 6026.
Allotype & (slide): Same data as holotype.
Paratypes: 2%%, 1& (slides), 3&&, Manitoba; 1%, Yukon Territory; 2%%, 1&, Northwest Territories.
Remarks: One paratype has the abdomen stored in a glass microvial, pinned with specimen.
- Chaoborus (Schadonophasma) brunskilli* Saether, 1970, Bull. Fish. Res. Bd Can. 174: 21. CANADA.
Holotype % (slide): E.L.A. Kenora, L. 241, 13.VI.68, Emg. 14.VI.68, leg: G. Brunskill. Holotype p. 92 *Chaoborus brunskilli* O.A. Saether. Can. Nat. Coll. Type No. 10958. Slide No. N27.
Paratypes: 19 larvae (slides), Ontario; 4 larvae (slides), Alberta.
- Chaoborus (Schadonophasma) cooki*, Saether, 1970, Bull. Fish. Res. Bd Can. 174: 18. CANADA.
Holotype % (slide with associated exuviae): Yellowknife, N.W.T., 17.VII.1949, Leg. R.A. Hall. Holotype *Chaoborus cooki* O.A. Saether, Can. Nat. Coll. Type No. 10959. Slide No. 1.
Allotype & (slide): Gt. Whale R., P.Q., 29.VIII.1949, leg. J.R. Vockeroth. Allotype *Chaoborus cooki* O.A. Saether, Can. Nat. Coll. Type No. 10959. Slide No. 3.
Paratypes: 1%, 1& (slide), Ontario; 1 larva (slide), Manitoba; 1% (slide), Northwest Territories.
Remarks: The description lists 2 males from Gillam, Manitoba; however, there is a slide containing a larva labeled paratype by Saether. Since it was labeled by Saether it is believed he had it before him at the time of the description.

CHIRONOMIDAE

- Ablabesmyia rhamphe* Sublette, 1964, Tulane Stud. Zool. 11(4): 114. USA.
Paratypes: 2 sex? (slides), Louisiana, CNC No. 10947.
Remarks: The mounting media of both slides has dried up; it is impossible to determine what sex the specimen is on each slide.
- Ablabesmyia (Ablabesmyia) tarella* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 368. USA.
Holotype % (pinned): Tucker, Fla., 15.IV.1952, J.R. Vockeroth/yellow label/TYPE Holotype *Ablabesmyia (A.) tarella* Roback/CNC No. 10602, HOLOTYPE.
Paratype: 1%, Florida.
Remarks: Thorax, head and right wing of paratype are pinned; remainder is mounted on 3 slides.

- Acampocladius reissi* Cranston & Saether, 1982, Ent. scand. 13(1): 39. WEST GERMANY.
Paratypes: 6 pupal exuviae (slide), 6 larvae (slide), West Germany, CNC No. 16497.
- Adactylocladius rowensis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 58. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. A. 3-1, Loc: Waterton Nat. Pk. Alta., Hwy. to Cameron L., 21.VII.67, Coll. A.L. Hamilton, Det: O.A.S.; Can. Nat. Coll. Type No. 9980, Adactylocladius rowensis O.A. Saether.
Paratypes: 2% (slides), Alberta.
- Adactylocladius unicalcar* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 59. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. A 3.1 (Alta), Waterton Nat. Pk., Rowe Creek by Hwy., 21.VII.67, Coll. O.A.S. - A.L.H., Det. O.A.S., Can. Nat. Coll. Type No. 9981, Adactylocladius unicalcar O.A. Saether.
- Adiamesa confusa* Garrett, 1925, Seventy new Diptera, p. 5. CANADA.
Holotype % (pinned): Cranbrook, B.C., 20.VI./T370/5045 Hypo, ant/Hypo, ant 5045/Holotype Adiamesia [sic] confusa % C. Garrett, C.B.D. Garrett/CNC No. 7914.
Remarks: The antennae and terminalia of the holotype are mounted on microscope slide No. 5045.
- Antillocladius antecalvus* Saether, 1981, Ent. scand. Suppl. 16: 4. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 2% (slides), St. Vincent, CNC No. 16757.
- Arctopelopia (Arctopelopia) cana* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 253. CANADA.
Holotype % (slides): Spence Bay, 22-29.VII.51, Chilcott, CNC/Arctopelopia cana Roback/434 HOLOTYPE Arctopelopia (A.) cana Roback, det. S.S. Roback/Can. Nat. Coll. Type No. 10603.
Remarks: The holotype is mounted on two separate slides: No. 434 contains wings, 3 legs, antennae and abdomen; No. 434B contains the head, thorax and 3 legs.
- Baeoetenus bicolor* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 43. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 48k, L. Winnipeg (L.T.) 48k, Gull Harbour, Manitoba, Leg. S.S. Chang, 16-VII-69, Can. Nat. Coll. Type No. 13476 Baeoetenus bicolor O.A. Saether.
Allotype & (slide): Same data as holotype except slide No. 45.
- Boreochlus gracilistylus* Brundin, 1966, K. svenska Vetensk Akad. Handl. (4) 11(1): 304. CANADA.
Holotype % (pinned): Elkwater, Alta., 49E42' 110E16', 2.VI.1955, J.R. Vockerodt/Boreochlus gracilistylus % Brund. Holotype/CNC No. 11609, HOLOTYPE.
Paratype: 1& (pinned), Alberta.
Remarks: The abdomen is missing from the holotype.
- Brillia laculata* Oliver & Roussel, 1983, Can. Ent. 115: 268. USA.
Holotype % (slide): HOLOTYPE Slide No. Eagle Cr., 3 mi. S.W. Cascade Locks, Oreg., 25.VI.81, A. Borkent, Can. Nat. Coll. Type No. 16498, Brillia laculata Oliver & Roussel.
Allotype & (slide): Same data as holotype.
Paratype: 1% (alcohol), Oregon.
- Brillia retifinis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 37. CANADA.
Holotype % (slide, with pupal and larval exuviae): HOLOTYPE Slide No. reared, Stream, Marion L., B.C., 15.VII.67, Leg. O.A.S. & A.L.H. Det. O.A. Saether, Can. Nat. Coll. Type No. 9976, Brillia retifinis O.A. Saether.
Paratype: 1% (slide), Alberta.
- Bryophaenocladus digitatus* Saether, 1973, Can. Ent. 105: 55. USA.
Holotype % (slides): HOLOTYPE, Slide No. 3, Missouri River, Clay County Park, Vermillion, S. Dakota, USA., Date: 18.VI.1971, Leg: P. Hudson, Det. O.A. Saether, Can. Nat. Coll. Type No. 12755, Bryophaenocladus digitatus.
Remarks: The above holotype has been remounted on three separate microscope slides.
- Bryophaenocladus impectinus* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 273. USA.
Holotype % (slide): HOLOTYPE, Slide No., Jocassee Res., Salem, S.C., Elev. 1100 ft. 13-17.VI.73, Leg. P. Hudson, Can. Nat. Coll. Type No. 13492, Bryophaenocladus impectinus O.A. Saether/Bryophaenocladus impectinus sp.n. O.A. Saether, Holotype Can. Nat. Coll. 13492.
- Bryophaenocladus laticaudus* Saether, 1973, Can. Ent. 105: 55. USA.
Holotype % (slide): HOLOTYPE, Slide No. 569-1289 %, Lake Francis Case, Platte Bay, Platte, S. Dakota, USA., Date: 11-19.V.67, Leg: Pat Hudson, Det. O.A. Saether, Can. Nat. Coll. Type No. 12754, Bryophaenocladus laticaudus/Holotype Bryophaenocladus sp.n. laticaudus Det. O.A.S.
- Camptocladus clavicornis* Saunders, 1928, Ann. ent. Soc. Am. 21(4): 528. CANADA.
Lectotype %: Camptocladus clavicornis Saunders, CNC Type No. 2853, Lectotype %, 1963, J.E.S.[ublette]. (no locality label).
Paralectotype: 1% (slide) (no locality label), 2% (alcohol) 1 pupa, 1 pupal exuviae (alcohol), British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 319).
- Camptocladus lasiops* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 508. USA.
Paralectotype: 1%, 1& (pinned), Illinois, CNC No. 2682.
Remarks: For lectotype designation see Frison (1927, p. 164). The terminalia of the above male paralectotype is mounted on microscope slide No. 565-1101.
- Camptocladus marinus* Saunders, 1928, Ann. ent. Soc. Am. 21(4): 526. CANADA.
Lectotype % (slide): Camptocladus marinus Saunders, CNC Type No. 2854, Lectotype %, J.E.S.[ublette], 1963 (no locality label).
Paralectotype: 1 larva, 1 pupal exuviae (slide), 1 larva, 1 pupa (alcohol), British Columbia.

- Remarks: For lectotype designation see Sublette (1967, p. 322).
- Camptocladius nerius*** Curran, 1930, Bull. Am. Mus. nat. Hist. (1931) 61(2): 34. USA.
Paratypes: 2% (slides), New York, CNC No. 4394.
Remarks: One of the above specimens was subsequently used by Sublette (1967, p. 315) as the holotype of *Orthocladius* (s.s.) *currani*.
- Camptocladius pacificus*** Saunders, 1928, Ann. ent. Soc. Am. 21(4): 523. CANADA.
Lectotype % (slide): *Camptocladius pacificus* Saunders, CNC Type No. 2852, Lectotype % J.E.S.[ublette] 1963 (no locality label).
Paralectotypes 1 & (slide), 1 larva, 1 pupal exuviae (slide), 3% (alcohol), 1 larva, 1 pupal exuviae (alcohol), British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 324).
- Cardiocladius albiplumus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 34. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 0.7.1, Rushing stream M.19 Mando log road, Kenora, Ont., 22.VIII.67, Det. O.A.S. Leg. O.A.S. - A.L.H., Can. Nat. Coll. Type No. 9975 *Cardiocladius albiplumus* O.A. Saether.
- Chaetocladius oliveri*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 93. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. Q15-3, Gatineau Pk., Que, April 17/64, L.F. 643, 22.III.64, Leg. D.R.O., Can. Nat. Coll. Type No. 9991, *Chaetocladius oliveri* sp.n. O.A. Saether.
Allotype & (slide): Same data as holotype, except Slide No. Q-15-2, 15.III.64 - 8.IV.64 L.F. 622.
Paratypes: 5% (slides), 2 & (slides), Quebec; 5% (slides), Ontario.
- Chasmatonotus atripes*** Rempel, 1937, Can. Ent. 69: 253. USA.
Paratypes: 1% (slide), 2% (1 & (pinned)), New York, CNC No. 4266.
- Chasmatonotus bicolor*** Rempel, 1937, Can. Ent. 69: 254. USA.
Paratype: 1% (slides), New York, CNC No. 4267.
Remarks: The above paratype is mounted on two separate slides.
- Chasmatonotus bimaculatus*** Osten Sacken, 1877, Bull. U.S. geol. Surv. 3: 191. CANADA.
Syntype: 1% (pinned), CNC No. 2140. "O.S."; Catskill, VII.14. O.S./PARATYPE *Chasmatonotus bimaculatus* O.S., CNC No. 2140/(Red label) Types 1260/*Chasmatonotus bimaculatus*.
- Chasmatonotus unilobus*** Yamamoto, 1980, Esakia 15: 82. JAPAN.
Paratypes: 1% (1 & (pinned)), Japan, CNC No. 17660.
- Chironomus abortivus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 465. USA.
Paralectotype: 1 & (pinned), Illinois, CNC No. 2683.
Remarks: For lectotype designation see Frison (1927, p. 164).
- Chironomus athalassicus*** Cannings, 1975, Can. Ent. 107: 447. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., Boitano L., Springhouse, B.C., 24.V.70, R.A. Cannings, Can. Nat. Coll. Type No. 13530, *Chironomus athalassicus* Cannings.
Paratypes: 2% (slides), 2 & (slides), 1 pupal exuviae (slide), 3 larvae (slide), 3% (alcohol), 7 larvae (alcohol), 3 pupal exuviae (alcohol), British Columbia.
- Chironomus basalis*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 441. USA.
Paralectotypes: 1% (1 & (pinned)), Illinois, CNC No. 2693.
Remarks: For lectotype designation see Frison (1927, p. 164).
- Chironomus cucini*** Webb, 1969, J. Kans. ent. Soc. 42(1): 105. CANADA.
Paratypes: 1% (1 & (alcohol)), Ontario, CNC No. 11937.
- Chironomus daktylos*** Walley, 1934, Bull. Am. Mus. nat. Hist. 66: 307. BRITISH GUIANA.
Paratype: 1% (slide), British Guiana, CNC No. 19629.
- Chironomus deflexa*** Walley, 1926, Can. Ent. 58: 206. CANADA.
Holotype % (pinned): Ottawa, Ont., 18.VIII.1924, G.S. Walley/HOLOTYPE *Chironomus deflexa* Walley CNC No. 2202.
- Chironomus dimorphus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 464. USA.
Paralectotypes: 1% (1 & (pinned)), Illinois, CNC No. 2684.
Remarks: For lectotype designation see Frison (1927, p. 165).
- Chironomus farinalis*** Walley, 1926, Can. Ent. 58: 205. CANADA.
Holotype % (pinned): L'Idge, [Lethbridge] Alta., Aug. 25 1913, E.H. Strickland/HOLOTYPE *Chironomus farinalis* Walley, CNC No. 2203.
Allotype & (pinned): Same data as holotype except 12 June 1920.
Paratype: 1% (pinned), Alberta.
- Chironomus fasciventris*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 438. USA.
Paralectotypes: 1% (1 & (pinned)), Illinois, CNC No. 2692.
Remarks: For lectotype designation see Frison (1927, p. 165).
- Chironomus illinoensis*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 471. USA.
Paralectotypes: 1% (1 & (pinned)), Illinois, CNC No. 2694.
Remarks: For lectotype designation see Frison (1927, p. 166).
- Chironomus imperator*** Walley, 1926, Can. Ent. 58: 64. CANADA.
Holotype % (pinned): Pt. Pelee, Ont., 17.VI.1925, G.S. Walley/HOLOTYPE *Chironomus imperator* Walley, CNC No. 1750.
Allotype & (pinned): Same data as holotype.
Paratypes: 11% (10 & (pinned)), Ontario.
- Chironomus indistinctus*** Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 477. USA.
Paralectotype: 1% (pinned), Illinois, CNC No. 2685.

- Remarks: For lectotype designation see Frison (1927, p. 167).
Paratypes: 3%, 1& (slides), Louisiana, CNC No. 10950.
- Chironomus innocuus* Williston, 1896, Trans. R. ent. Soc. Lond. 3: 274. ST. VINCENT, WEST INDIES.
Paralectotype: 1% (slide), St. Vincent, West Indies, CNC No. 19633.
Remarks: For lectotype designation see Borkent (1984, p. 59).
- Chironomus nigrovittatus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 456. USA.
Paralectotype: 1& (pinned), Illinois, CNC No. 2686.
Remarks: For lectotype designation see Frison (1927, p. 167).
- Chironomus ontario* Walley, 1926, Can. Ent. 58: 206. CANADA.
Holotype % (pinned): Ottawa, Ont., 11.VIII.1924, G.S. Walley/HOLOTYPIC Chironomus ontario Walley, CNC No. 2204.
Allotype & (pinned): O. Golf Club, Que., 1.VIII.1924, G.S. Walley/ALLOTYPIC Chironomus ontario Walley, CNC No. 2204.
Paratypes: 1%, 4&& (pinned), Quebec; 2% (pinned), Ontario.
- Chironomus parvilamettatus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 479. USA.
Paralectotype: 1% (pinned), Illinois, CNC No. 2690.
Remarks: For lectotype designation see Frison (1927, p. 168).
- Chironomus pseudoviridis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 450. USA.
Paralectotype: 1% (pinned), Illinois, CNC No. 2687.
Remarks: For lectotype designation see Frison (1927, p. 168).
- Chironomus subaequalis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 440. USA.
Paralectotype: 1% (pinned), Illinois, CNC No. 2688.
Remarks: For lectotype designation see Frison (1927, p. 169).
- Chironomus tenuicaudatus* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 475. USA.
Paralectotype: 1% (pinned), Illinois, CNC No. 2689.
Remarks: For lectotype designation see Frison (1927, p. 169).
- Chironomus (Camptochironomus) vockerothi* Rasmussen, 1984, Can. Ent. 116: 1643. CANADA.
Holotype % (slide): HOLOTYPIC, Slide No. Elkwater, Alta., 49E42' 110E16', 4.VI.53, J.R. Vockeroth, Can. Nat. Coll. Type No. 18183, Chironomus (Camptochironomus) vockerothi Rasmussen.
Allotype & (slide): ALLOTYPIC, Slide No. Hastings L., Alta., 53E25' 112E33', 29.V.75, J.B. Rasmussen, Can. Nat. Coll. Type No. 18183, Chironomus (Camptochironomus) vockerothi Rasmussen.
Paratypes: 21%, 6&&, Alberta.
- Chironomus (Chironomus) natchitochae* Sublette, 1964, Tulane Stud. Zool. 11(4): 124. USA.
Paratypes: 3%, 1& (slides), Louisiana, CNC No. 10950.
- Chironomus (Cryptochironomus) ponderosus* Sublette, 1964, Tulane Stud. Zool. 11(4): 129. USA.
Paratypes: 2% (slides), Oklahoma, CNC No. 9102.
- Chironomus (Dicrotendipes) incurvus* Sublette, 1964, Tulane Stud. Zool. 11(4): 126. USA.
Paratypes: 4% (slides), Louisiana, CNC No. 10949.
- Chironomus (Kiefferulus) umbraticola* Yamamoto, 1979, Kontyû 47(1): 10. JAPAN.
Paratypes: 2%, 1& (pinned), Japan, CNC No. 17661.
- Chironomus (Kribioxenus) babi* Rempel, 1937, Can. Ent. 69: 274. USA.
Holotype % (pinned): Ithaca, N.Y., 22, May. 1937, P.P. Babi coll. at light/HOLOTYPIC C. (Kribioxenus) babi Rempel, CNC No. 4265/HOLOTYPIC % C. (Kribioxenus) babi Rempel.
Allotype & (pinned): Same data as holotype except 11 June 1937.
- Compteromesa oconeensis* Saether, 1981, Aquatic Insects 3(4): 195. USA.
Remarks: There is a specimen labeled as a paratype in the CNC, but there was no paratype listed in the original description.
- Compterosmittia dentispina* Saether, 1981, Ent. scand. Suppl. 16: 20. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 2% (slides), St. Vincent; 1& (slide), St. Lucia, CNC No. 16753.
- Conchapelopia (Conchapelopia) bruna* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 249. CANADA.
Holotype % (slides): 425A, HOLOTYPIC, Conchapelopia (C.) bruna Roback, Baker Lake, N.W.T., 10-17.VII.49, CNC, det. S.S. Roback/HOLOTYPIC/Can. Nat. Coll. Type No. 10601, Conchapelopia bruna Roback.
Allotype & (alcohol): Same data as holotype.
Paratypes: 2% (slides), 3%, 12&& (alcohol), Northwest Territories.
Remarks: The holotype is mounted on 2 different slides; slide number 425A contains all of the type specimen, except for one wing on slide number 425B.
- Conchapelopia (Conchapelopia) telema* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 247. CANADA.
Holotype % (slide): 486, HOLOTYPIC, Conchapelopia (C.) telema Roback, Beverlodge, Alta., 29.V.1931, (Strickland) Alb., det. S.S. Roback/HOLOTYPIC/Can. Nat. Coll. type No. 10927.
Paratypes: 1% (pinned) (abdomen on slide), Ontario; 5% (pinned), 1% (slides), Northwest Territories.
- Corynoneura cubitus* Garrett, 1925, Seventy new Diptera, p. 10. CANADA.
Holotype & (pinned): Cranbrook, B.C., 17.VI./Monotype Corynoneura [sic] cubita & C. Garrett, C.B.D. Garrett/CNC No. 7930.

- Cricotopus abana* Curran, 1929, Am. Mus. Novit. 339: 1.
CANADA.
Paratype: 1%, 1& (pinned), Manitoba, CNC No. 2899.
Remarks: In the original description the generic name *Cricotopus* was misspelled *Cricotopus*. The terminalia of the above male paratype is mounted on a microscope slide No. 565-1102.
- Cricotopus brunnicans* Walley, 1928, Can. Ent. 60: 21.
CANADA.
Holotype & (slide): HOLOTYPE, Slide No., Saskatoon, Sask., 23 June 1926, Kenneth M. King, Can. Nat. Coll. & Type No. 2554
Cricotopus brunnicans Walley/HOLOTYPE & *Cricotopus brunnicans* Walley, CNC No. 2554/16446 67 AHN.
- Cricotopus cumulatus* Hirvenoja, 1973, Anns zool. Fenn. 10: 146. GREENLAND.
Holotype % (slide): Holotype/*Cricotopus cumulatus* sp. n. Greenland, Nedre Midsommer So, 25.VII.1966, Can. Peary Land Exp., M. Hirvenoja det./Can. Nat. Coll. Type No. 18218.
Paratypes: 3%%, 5&& (slides), Greenland.
- Cricotopus flannagani* Saether, 1971, Can. Ent. 103: 1809.
CANADA.
Holotype % (slide, with pupal and larval exuviae): HOLOTYPE, Slide No. M.33.3, Crystal Springs, Man., Emg. 28.VII.69, Date, 16.VII.69, Det. O.A. Saether, Leg. O.A.S. - J. Flannagan, Can. Nat. Coll. Type No. 11472, *Cricotopus flannagani* O.A. Saether.
- Cricotopus lebetis* Sublette, 1964, Tulane Stud. Zool. 11(4): 118. USA.
Paratypes: 2%% (slides), Louisiana, CNC No. 10948.
- Cricotopus* (s.s.) *mackenziensis* Oliver, 1977, J. Fish. Res. Bd Can. 34(1): 99. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., Harris R., N.W.T., 26.VII.72, FWI - Pipeline Project, Can. Nat. Coll. Type No. 14015, *Cricotopus* (s.s.) *mackenziensis* Oliver/CH 3065.1.
Paratypes: 9%%, 8&& (slides), 3 pupae (slides), 6 larvae (slides), 11 pupae (alcohol), 1 larval exuviae (alcohol), Northwest Territories.
- Cricotopus macraei* Saether, 1971, Can. Ent. 103: 1799.
CANADA.
Holotype % (slide): HOLOTYPE, Slide No. m.33-1 1, Crystal Springs, Man., Date: 18.VII.1968, Leg. J.F.F. & G.P.M., Det. O.A. Saether, Can. Nat. Coll. Type No. 11471, *Cricotopus macraei* O.A. Saether.
Allotype & (slide, with pupal and larval exuviae): Same data as holotype except Slide No. M.33.3 6, Emg: 21.VII.69 Date: 16.VII.69.
Paratypes: 1%, 3&& (slides, with pupal and larval exuviae), Manitoba.
- Cricotopus remus* Sublette, 1964, Tulane Stud. Zool. 11(4): 115. USA.
Paratypes: 4%% (pinned), Louisiana, CNC No. 19636.
- Cricotopus (Cricotopus) luciae* LeSage & Harrison, 1981, Proc. ent. Soc. Ont. (1980) 111: 91.
CANADA.
Holotype % (slide): Elmira, Ont., Salem creek, 25.V.-1.VI.1978, Trap 11, Coll. L. LeSage, *Cricotopus luciae* LeSage & Harrison, HOLOTYPE %Can. Nat. Coll. Type No. 19013.
Allotype & (slide): Same data as holotype except trap 14.
Paratypes: 2%%, 1& (slides), Ontario.
- Cricotopus (Cricotopus) pilocapsulus* Saether, 1981, Ent. scand. Suppl. 16: 6. ST VINCENT, BRITISH WEST INDIES.
Paratypes: 1%, 1& (slides), St. Vincent, CNC No. 16750.
- Cricotopus (Isocladius) myriophylli* Oliver, 1984, Can. Ent. 116: 1287. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. Okanagan Lake, B.C., 20.VII.83, D.R. Oliver, Can. Nat. Coll. Type No. 18126, *Cricotopus (Isocladius) myriophylli* Oliver.
Paratypes: 4%%, 5&& (slides), 5 pupae (slides), 50%% (alcohol), 9 larvae (alcohol), British Columbia; 2%% (slides, with larval and pupal exuviae), 2 larvae (slides), Ontario.
- Cryptochironomus blarina* Townes, 1945, Am. Midl. Nat. 34(1): 99. USA.
Paratype: 1% (pinned), Ontario (Canada), CNC No. 5672.
- Cryptochironomus conus* Mason, 1985, Ent. scand. 16: 400.
CANADA.
Holotype % (slide, reared from larva): *Cryptochironomus conus* Mason, Saskatchewan, S. Sask. R., Saskatoon, 1/4 mi upstream from Q.E. Power Stn., 17.V.77, press. 22.V.77, P.G. Mason 7043.3/
HOLOTYPE/Can. Nat. Coll. Type No. 19242.
Allotype & (slide with pupal exuviae): Same data as holotype.
- Cryptochironomus curryi* Mason, 1985, Ent. scand. 16: 404.
CANADA.
Holotype % (slide, reared from larva): *Cryptochironomus curryi* Mason, Saskatchewan, Tobin L., at Squaw R. Dam boatlaunch, 14.VI.80, press. 14.VI.80, P.G. Mason 80105.1/HOLOTYPE/Can. Nat. Coll. Type No. 19243.
- Cryptochironomus eminentia* Mason, 1985, Ent. scand. 16: 406.
CANADA.
Holotype % (slide, reared from larva): *Cryptochironomus eminentia* Mason, Saskatchewan, Sask., R., 4 mi upstream from Nipawin at Bushfield flats, 7.VII.79, press. 23.VII.79, P.G. Mason 79086.1/ HOLOTYPE/Can. Nat. Coll. Type No. 19244.
Allotype & (slide, reared from larva): *Cryptochironomus eminentia* Mason, Saskatchewan, S. Sask. R., Ferry N. of Birch Hills, 1.VII.76, emerged 15.VII.76, P.G. Mason, L6300.5/ALLOTYPE/Can. Nat. Coll. Type No. 19244.
- Cryptochironomus ramus* Mason, 1985, Ent. scand. 16: 409.
CANADA.
Holotype % (slide, reared from larva): *Cryptochironomus ramus* Mason, Saskatchewan, Tobin L., at Squaw R. Dam boatlaunch, 26.VI.79, pres. VI. or VII.79, P.G. Mason, 79063.1/HOLOTYPE/Can. Nat. Coll. Type No. 19245.
Allotype & (slide, reared from larva): Same data as holotype except 79063.3.

- Cryptochironomus scimitarus* Townes, 1945, Am. Midl. Nat. 34(1): 98. USA.
Paratype: 1% (pinned), Ontario, CNC No. 5670.
Remarks: The terminalia of the paratype is mounted on a microscope slide.
- Cryptotendipes pilicuspis* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 98. CANADA.
Holotype % (slide): HOLOTYPE %, Slide No. 33 uu, McBeth Harbour, Lake Winnipeg (L.T.), 30.VII.69, Leg. S.S. Chang, Can. Nat. Coll. Type No. 14021, Cryptotendipes pilicuspis O.A. Saether.
- Diamesa amplexivirilia* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 53. USA.
Paratypes: 7%% (alcohol), 1% (slide), Alberta CNC No. 15852.
- Diamesa arctica* Malloch, 1919, Report of the Canadian Arctic Expedition, 1913-18, Pt.C.3: 37. CANADA.
Holotype & (slide): TYPE *Diamesa arctica* Mall., CNC No. 241/Colville Mts., Wallaston Is., Franklin/Canadian Arctic Expedition July 22, 1915/D. Jenness Coll./HOLOTYPE, Slide No., Colville Mts., Wallaston I., D.F., 22.VII.15, Can. Arctic Expd., Can. Nat. Coll. Type No. 241, *Diamesa arctica* Mall.
Paratype: sex? (pinned), Northwest Territories.
- Diamesa banana* Garrett, 1925, Seventy new Diptera, p. 6. CANADA
Lectotype % (pinned): Cranbrook, B.C., 12.VIII/5141 hypo ant/Hypo ant % 5141/Holotype *Diamesa banana* % C. Garrett C.B.D. Garrett/Lectotype Sublette, 1963/CNC No. 7915.
Paralectotypes 13&& (pinned), 1& wing (slide no. 5609) British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 294). The antennae and terminalia of the holotype are mounted on microscope slide No. 5141.
- Diamesa borealis* Garrett, 1925, Seventy new Diptera, p. 6. CANADA.
Lectotype % (pinned): Cranbrook, B.C., 9.XI/Paratype *Diamesa borealis* % C. Garrett, C.B.D. Garrett/Lectotype Sublette, 1963/CNC Type no. 7916, Slide No. 1.
Paralectotypes 4%%, 5&& (pinned), 1% terminalia (slide no. 5583), 1% terminalia (slide labeled as holotype no. 5140), 1% terminalia, 1% antennae (slides labeled as holotype *Diamesa borealis* Var. A. No. 5142), 1% antennae (slide labeled as holotype *Diamesa borealis* Var. B. No. 5143), 1& wing (slide labeled as allotype No. 5619), 1& wing, 1% antennae and legs (slide Nos. 5621 and 5583), British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 296). The terminalia of the lectotype are mounted on microscope slide number 1.
- Diamesa cheimatophila* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 68. USA.
Paratype: 1% (slide), New York, CNC No. 15854.
Remarks: There is 1 additional specimen in alcohol, labeled as a paratype, but it is from a locality not mentioned in the original description.
- Diamesa chiobates* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 70. USA.
Paratypes: 1% (slide), 1% (pinned), 2%% (alcohol), Wisconsin, CNC No. 15849.
- Diamesa colenae* Hansen & cook, 1976, Mem. Am. ent. Soc. 30: 76. USA.
Paratypes: 1% (slide), 4%% (alcohol), Yukon Territory (Canada), CNC No. 15853.
- Diamesa fonticola* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 24. CANADA.
Holotype % (slide, with pupal exuviae): HOLOTYPE, The Bog at the Pas, Manitoba, Spring on stones, 5.VII.67 Coll. A.L.H., O.A.S., Det. O.A. Saether, Can. Nat. Coll. Type No. 9973, *Diamesa fonticola* O.A. Saether.
Allotype & (slide): Same data as holotype except slide No. 2, lacking data "Spring on stones".
- Diamesa fulvus* Johannsen, 1921, Ent. News 32(8): 229. USA.
Remarks: There is a pinned specimen labeled as a paratype in the CNC. However, it is one of the male specimens from the series of specimens taken at St. Joseph, Illinois, that Malloch (1915, p. 478) subsequently described the male from, and therefore has no type status.
- Diamesa insidiosa* Serra-Tosia, 1983, Spixiana 6(1): 4. NEPAL.
Holotype % (slide): *Diamesa insidiosa* Serra-Tosio, HOLOTYPE/19-26.V.1967, *Diamesa insidiosa* Serra-Tosio, Can. Nepal Exped. 27E 57'N. 84E 59'E., Mal. tr. 5, 10000 feet/CNC No. 19626.
- Diamesa leoniella* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 111. USA.
Paratypes: 3%% (alcohol), 4 pupae (alcohol), CNC No. 15850.
- Diamesa lurida* Garrett, 1925, Seventy new Diptera. p. 6. CANADA.
Holotype & (pinned): Cranbrook, B.C., 20.VI./Monotype *Diamesa lurida* & C. Garrett, C.B.D. Garrett/CNC No. 7917.
- Diamesa nivicavernica* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 123. USA.
Paratypes: 2%% (pinned), Washington, CNC No. 17659.
- Diamesa spinacies* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 27. CANADA.
Holotype % (slide, with pupal exuviae): HOLOTYPE, Slide No. A.3.1, Waterton National Park, Rowe creek above Hwy., 21.VII.67, Det. Saether, Leg. O. Saether, A. Hamilton, Can. Nat. Coll. Type No. 9974, *Diamesa spinacies* O.A. Saether
Paratypes: 11 larvae (slides), 1& pupa with larval exuviae (slide), 1 pupa (slide), 1 pupal exuviae (slide), Alberta.
- Diamesa vockerothi* Hansen & Cook, 1976, Mem. Am. ent. Soc. 30: 139. CANADA.
Holotype % (slide): Ottawa, Ontario, 21.III.1957, J.R. Vockeroth, Slide DH 70-60 CNC/

- Diamesa vockerothi* Hansen, det. Dean Hansen, 1971/Can. Nat. Coll. Type No. 15851, *Diamesa vockerothi* Hansen, HOLOTYPE.
Paratypes: 2%% (slides), 8%%, 5&& (alcohol), Quebec; 73%%, 7&& (alcohol), Ontario.
- Diamesa (Diamesa) ruwenzoriensis* Freeman, 1955, Bull. Br. Mus. nat. Hist. (Ent.) 4(1): 62. UGANDA.
Paratype: 1% (pinned), Uganda, CNC No. 19635.
- Dicrotendipes adnitus* Epler, 1987, Evolut. Monogr. 9: 28. USA.
Paratype: 1% (slide), Arizona, CNC No. 18436.
- Dicrotendipes crypticus* Epler, 1987, Evolut. Monogr. 9: 39. USA.
Paratypes: 1%, 1& (slides), New Mexico, CNC No. 18438.
- Dicrotendipes modestus* Say, 1823, J. Acad. nat. Sci. Philad. 3: 13. USA.
Neotype % (slide): *Dicrotendipes modestus* % (Say), Loc. Vineland, Ont., Date 25.1.1977, Coll. J.W. Jones, Det. No. CH 3315
NEOTYPE/ *Dicrotendipes modestus* (Say) det. J.H. Epler 1983.
Remarks: For neotype designation see Epler (1987, p. 75).
- Dicrotendipes simpsoni* Epler, 1987, Evolut. Monogr. 9: 84. USA.
Paratype: 1%, 1&, 1 larval exuviae (slide), New York, CNC No. 18437.
- Dicrotendipes thanatogratus* Epler, 1987, Evolut. Monogr. 9: 88. USA.
Paratype: 1% (slide with larval and pupal exuviae), Florida, CNC No. 18435.
- Diplosmittia harrisoni* Saether, 1981, Ent. scand. Suppl. 16: 30. ST. LUCIA BRITISH WEST INDIES.
Paratypes: 2%% (slides), St. Vincent, CNC No. 16755.
- Doithorix ensifer* Saether & Sublette, 1983, Ent. scand. Suppl. 20: 15. USA.
Paratypes: 10%% (slides), California, CNC No. 18592.
- Doithrix hamiltoni* Saether & Sublette, 1983, Ent. scand. Suppl. 20: 17. CANADA.
Paratype: 1% (slide), British Columbia, CNC No. 18593.
- Doncricotopus bicaudatus* Saether, 1981, Ent. scand. 12: 225. CANADA.
Paratypes: 2%% (slides, with pupal exuviae), Northwest Territories, CNC No. 16749.
- Einfeldia synchrona* Oliver, 1971, Can. Ent. 103: 1591. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., *Einfeldia synchrona* Oliver, Can. Nat. Coll. Type No. 11981, South March, Ont., 20.V.1970, H.V. Danks.
Paratypes: 9%%, 8&& (with larval and pupal exuviae slides), 1% (with pupal exuviae slide), 2%% (slides), 1% (associated pupal exuviae alcohol), 3%%, 7&& (alcohol), 5 larvae (alcohol), Ontario.
- Eukiefferiella paucunca* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 46. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. A.3.1, reared, Waterton National Park, Rowe creek by Hwy., Alta., leg. A. Hamilton, O. Saether, Det. O.A. Saether, Can. Nat. Coll. Type No. 9978, *Eukiefferiella paucunca* O.A. Saether.
Allotype & (slide, pupa with larval exuvia): ALLOTYPES, Slide No. M 1.4 (2), Heming Lake, Man., 24.VI.31.VII, leg: A.P. Weins, Det. O.A.S. reared, Can. Nat. Coll. Type No. 9978, *Eukiefferiella paucunca* O.A. Saether.
Paratypes: 1% (with pupal exuviae slide), Ontario; 1%, 4 larvae (slides), Alberta.
- Eukiefferiella vitracies* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 49. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 0.9.1, Kenora, Ont., stream Mando Rd., 23.VIII.67, Leg. O.A.S. & A.L.H., Can. Nat. Coll. Type No. 9979, *Eukiefferiella vitracies* O.A. Saether/046.
Allotype & (slide): Same data as holotype.
Paratypes: 4%% (slides), 6 pupal exuviae (slide), Ontario.
- Euryhopsis cilium* Oliver, 1981, Can. Ent. 113: 714. CANADA.
Holotype % (slide with pupal exuviae): HOLOTYPE Slide No. Martin R., N.W.T. 2.VI.73, F.W.I. Pipeline Project, Can. Nat. Coll. Type No. 16476, *Euryhopsis cilium* Oliver/06.
Paratypes: 4%%, 1& (slide), 2 larvae (slides), 57%%, 21&& (alcohol), Northwest Territories; 1%, 1& (slides with pupal exuviae), 4 pupae (slides), 6 larvae (slides), 2 larvae (alcohol), Yukon Territory.
- Euryhopsis illoba* Oliver, 1981, Can. Ent. 113: 720. USA.
Paratype: 1% (slide), California, CNC No. 19565.
- Georthocladus triquetrus* Saether & Sublette, 1983, Ent. scand. Suppl. 20: 25. USA.
Paratypes: 1%, 1& (slides), South Carolina, CNC No. 18594.
- Glyptotendipes (Glyptotendipes) unacus* Towns, 1945, Am. Midl. Nat. 34(1): 146. CANADA.
Holotype % (pinned): Norway Bay, Que., 26.VIII.1938, G.E. Shewell/At light/Slide IV.2.42 G/ HOLOTYPE *Glyptotendipes unacus* Tow. CNC No. 5666/*Glyptotendipes unacus* Type Townes.
Remarks: The terminalia of the holotype are mounted on microscope slide No. IV.2.42 G.
- Guttipelopia rosenbergi* Bilyj, 1984, Can. J. Fish. aquat. Sci. 41(4): 663. CANADA.
Holotype % (slide with associated pupal exuviae): HOLOTYPE, Slide No. 3, Wupaw Bay, Southern Indian Lake, Manitoba, 10-13.VI.1977, Leg. M. Collins, Can. Nat. Coll. Type No. 16326, *Guttipelopia rosenbergi* B. Bilyj.
Allotype & (slide with associated pupal exuviae): ALLOTYPES, Slide No. 1, Trailer Bay, Southern Indian Lake, Manitoba, 19.V.1977, Leg. J. Peterson, Can. Nat. Coll. Type No. 16326, *Guttipelopia rosenbergi* B. Bilyj.
Paratype: 1% (slide), Manitoba.
- Gymnometriocnemus marionensis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 129. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., Marion L., B.C., at dock, 25.V.65, Det. O.A.

Saether Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 10000, *Gymnometriocnemus marionensis* O.A. Saether.

Gymnometriocnemus (Raphidocladius) acigus Saether, 1983, Aquatic Insects 5(4): 214. USA.
Paratype: 1% (slide), Tennessee, CNC No. 18596.

Harnischia (Harnischia) argentea Towns, 1945, Am. Midl. Nat. 34(1): 164. CANADA.
Holotype % (pinned): Fitzroy Harb., Ont., 11.VII.1938, G.E. Shewell/Slide IV.2.421/
HOLOTYPE *Harnischia argentea* Tow. CNC No. 5667/*Harnischia argentea* Type Tow.
Remarks: The terminalia of the holotype are mounted on microscope slide No. IV.2.42 %

Harnischia (Harnischia) cuneata Townes, 1945, Am. Midl. Nat. 34(1): 163. USA.
Paratypes: 1% (pinned), Quebec; 3% (pinned), 1% (slide), Ontario, CNC No. 5683.

Harnischia (Harnischia) fastigata Townes, 1945, Am. Midl. Nat. 34(1): 162. USA.
Paratype: 1% (pinned), Quebec, CNC No. 5682.

Harnischia (Harnischia) potamogeti Townes, 1945, Am. Midl. Nat. 34(1): 159. USA.
Paratypes: 2% (pinned), Ontario; 1% (slide), Manitoba, CNC No. 5673.

Heleniella curtistila Saether, 1969, Bull. Fish. Res. Bd Can. 170: 130. CANADA.
Holotype % (slide, prepared from pupa):
HOLOTYPE, Slide No. B.C. 2.7, stream east slope Marion Lake Valley, B.C., 15.VII.67, Leg. O.A.S. & A.L.H., Det. O.A. Saether, Can. Nat. Coll. Type No. 10001, *Heleniella curtistila* O.A. Saether.
Allotype & (slide, prepared from pupa):
ALLOTYPE, Slide No. A. 2.1, Waterton Nat. Pk., 21.VII.67, Leg. O.A.S. & A.L.H., Det. O.A.S., Can. Nat. Coll. Type No. 10001, *Heleniella curtistila* O.A. Saether.
Paratypes: 3&& pupal exuviae (slide), British Columbia.

Heleniella hirta Saether, 1969, Bull. Fish. Res. Bd Can. 170: 134. CANADA.
Holotype % (slide with pupal exuviae):
HOLOTYPE, Slide No. DRO 19.3.3, Hermit trail Stm., Gatineau Pk., P.Q., Coll. 26.V.67, Em. 28.V.67, Leg. D.R.O., R.O.M., L.H.S., Can. Nat. Coll., Type No. 10002, *Heleniella hirta* O.A. Saether.
Allotype & (slide prepared from pupa):
ALLOTYPE, Slide No. 2, Costello Ck., Algonquin Pk., Ont., 1.VI.1966, Leg. J. Martin, Det. O.A.S., Can. Nat. Coll. Type No. 10002, *Heleniella hirta* O.A. Saether.

Heterotanytarsus nudalus Saether, 1975, J. Fish. Res. Bd Can. 32(2): 263. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., ELA, Kenora, Ont., 17.V.1968, L. 122, Stn. 1, Leg. S.S. Chang, Can. Nat. Coll. Type No. 13401, *Heterotanytarsus nudalus*, O.A. Saether/032.
Allotype & (slide): Same data as holotype.
Paratypes: 4% 3&& (slides), Ontario.

Heterotanytarsus perennis Saether, 1975, J. Fish. Res. Bd Can. 32(2): 260. CANADA.

Holotype % (slide): HOLOTYPE, Slide No., Marion L., B.C., 14.VI.1965, West shore, Leg. A.L. Hamilton, Can. Nat. Coll., Type No. 13400, *Heterotanytarsus perennis* O.A. Saether/031.

Paratypes: 3 larvae (slide), 1 pupal exuviae (slide), British Columbia.

Heterotrissocladius changi Saether, 1975, Bull. Fish. Res. Bd Can. 193: 47. CANADA.

Holotype % (slide): HOLOTYPE, Slide No., L. Wpg. (LT) 15A, 1/4 mi. offshore, George Island, 6.VI.1969, #15A, Leg. S.S. Chang, Can. Nat. Coll. Type No. 13399, *Heterotrissocladius changi* O.A. Saether.

Allotype & (slide): Same data as holotype, except No. Fem. Chir. 15-1 (9-15).

Paratypes: 1 larvae, 1 pupa (slides), Ontario; 1& (slide), Manitoba; 1% 1& (slides), Alberta.

Remarks: The CNC type No. published in the original description is 13299, but this is an incorrect number. It should be 13399.

Heterotrissocladius cooki Saether, 1975, Bull. Fish. Res. Bd Can. 193: 41. USA.

Holotype % (slide): U.S.A., Minnesota, Hubbard Co., Lower La Salle Lake, N.J. Mosquito Trap, May 7, 1970, E.F. Cook/HOLOTYPE Slide No., Can. Nat. Coll. Type No. 13606, *Heterotrissocladius cooki* O.A. Saether.

Heterotrissocladius hirtapex Saether, 1975, Bull. Fish. Res. Bd Can. 193: 39. CANADA.

Holotype % (slide, with larval and pupal exuviae):
HOLOTYPE, Slide No., Kenora, Ont., 3.V.1968, 40 M.S.E. Creek, 0.12.1, Leg. A.L.H., A. Weins, P. Chang, Can. Nat. Coll. Type No. 13398, *Heterotrissocladius hirtapex* O.A. Saether.

Allotype & (slide, with larval and pupal exuviae): Same data as holotype except 13.V.68.

Paratypes: 1% 1& (with pupal exuviae) (slides), Ontario.

Heterotrissocladius latilaminus Saether, 1975, Bull. Fish. Res. Bd Can. 193: 36. CANADA.

Holotype % (slide): HOLOTYPE, Slide No., Marion L., B.C., 6.V.1964, Emergence St. V., Leg. A.L. Hamilton, Can. Nat. Coll. Type No. 13397, *Heterotrissocladius latilaminus* O.A. Saether.

Allotype & (slide): Same data as holotype except St. II. No. 2.

Paratypes: 3 larvae (slides), 1 pupal exuviae (slide), British Columbia.

Heterotrissocladius oliveri Saether, 1975, Bull. Fish. Res. Bd Can. 193: 19. CANADA.

Syntypes: 2% 1& (slides), 4 larvae (slides), 2 pupae (slides), 2 pupal exuviae (slides), Northwest Territories; 9 larvae (slides), Ontario, CNC No. 13396.

Remarks: On the one slide labeled holotype and allotype, the male and female were taken in copulation and mounted on the same slide. But Saether in the original description did not indicate whether the holotype was the male or the female. Therefore all specimens will have to be considered as syntypes.

Hydrobaenus calvescens Saether, 1976, Bull. Fish. Res. Bd Can. 195: 158. USA.

- Holotype % (slide): HOLOTYPE, Slide No., Platte Cr., Lake Francis Case, Platte, South Dakota, Leg. P. Hudson, 3.V.1972, Can. Nat. Coll. Type No. 13484, *Hydrobaenus calvescens* O.A. Saether/*H. calvescens* sp.n. HOLOTYPE.
- Hydrobaenus conformis labradorensis*** subsp. n. Saether, 1976, Bull. Fish. Res. Bd Can. 195: 89. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 34, Astray L., Labrador, Nfld., Leg. D.R. Oliver, K-310-1, 31.VIII.1957, Can. Nat. Coll. Type No. 13540, *Hydrobaenus conformis labradorensis* O.A. Saether.
Allotype & (slide): Same data as holotype.
Paratypes: 2% (slides), Labrador.
- Hydrobaenus hudsoni*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 131. USA.
Holotype % (slide, reared from larvae): HOLOTYPE, Slide No. 80, St. Phillips Bay, Pickstown, S. Dakota, - flooded terrestrial veg. covered with periphyton, Leg. P. Hudson 14.V.1969, Can. Nat. Coll. Type No. 13480 *Hydrobaenus hudsoni* O.A. Saether/121.19.26.
- Hydrobaenus laticaudus*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 80. USA.
Holotype % (slide): HOLOTYPE, Slide No. 1503 CH-110, Pond 6, CH 110, Ogotoruk Cr., Cape Thompson, Alaska, Leg. W.C. Hanson, 11.VI.60, Can. Nat. Coll. Type No. 13477, *Hydrobaenus laticaudus* O.A. Saether.
- Hydrobaenus martini*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 134. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. DRO 50-13, Bailey Point, Melville Is., N.W.T., 30.VII.1965, Leg. J.E.H. Martin, Can. Nat. Coll. Type No. 13481, *Hydrobaenus martini* O.A. Saether
Allotype & (slide, partly emerged female with exuviae): ALLOTYPE, Slide No. 3.6, Swedish Lapland 1936, Leg. A. Thienemann (=as *Trissocladius* sp. B.), Can. Nat. Coll. Type No. 13481, *Hydrobaenus martini* O.A. Saether.
Paratypes: 2&& adults, 1% 4&& pupae, 2 pupal exuviae, 2 larvae (all on same slide), no locality label. 15% (alcohol), Northwest Territories.
- Hydrobaenus pilipodex*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 144. USA.
Holotype % (slide, reared from larvae): HOLOTYPE, Slide No. 118, St. Phillips Bay, Pickstown, S. Dakota, USA. - flooded terrestrial veg. 29.V.1969, Leg. P. Hudson, Can. Nat. Coll. Type No. 13482, *Hydrobaenus pilipodex* O.A. Saether/ 124.24/121.24.25.
Remarks: The date on the type label is 29.V.1969, while the date given in the original description is 29.2.69.
- Hydrobaenus scapulapilosus*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 124. CANADA.
Holotype % (slide, reared from larvae): HOLOTYPE, Slide No. 10, Bells Corner Stream, Ontario, 0.16.2, reared, Leg. D.R. Oliver, 10.IV.66, Can. Nat. Coll. Type No. 13478, *Hydrobaenus scapulapilosus* O.A. Saether.
Allotype & (slide, reared from larvae): Same data as holotype.
- Hydrobaenus spinnatis*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 152. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 4A-4, Old Chelsea, Quebec, Ex. 58 MPD, 24.IV.1958, Leg. J.R. Vockeroth, Can. Nat. Coll. Type No. 13483, *Hydrobaenus spinnatis* O.A. Saether.
Allotype & (slide): Same data as holotype except slide No. 4D-1.
Paratypes: 3 pupal exuviae (slide), 42% 14&& (alcohol), 15 pupal exuviae (alcohol), Quebec.
- Hydrobaenus tumidistylus*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 160. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. CH 207, Clyde, Baffin Is., N.W.T., 23.VII.1958, Leg. J.E.H. Martin, Can. Nat. Coll. Type No. 13485, *Hydrobaenus tumidistylus* O.A. Saether.
- Hydrobaenus virgo*** Saether, 1976, Bull. Fish. Res. Bd Can. 195: 128. CANADA.
Holotype & (slide): HOLOTYPE Slide No. CH 204-56, Jack R. 1/2 m. from Munster Hamlet, Ontario, Leg. A.R. Sponis, 13.V.72, Can. Nat. Coll. Type No. 13479, *Hydrobaenus virgo* O.A. Saether.
Paratypes: 400&& (alcohol), Ontario.
- Irisobrillia longicosta*** Oliver, 1985, Can. Ent. 117: 1109. VENEZUELA.
Holotype % (slide): HOLOTYPE, Slide No., Merida, Simon Bolivar, N.P. nr. La Aguenda, Venezuela, 6-13.V.81, L. Masner, Can. Nat. Coll. Type No. 18626, *Irisobrillia longicosta* Oliver.
Paratype: 1% (slide), Venezuela.
- Labrundinia becki*** Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 279. USA.
Holotype % (slides): 535A, HOLOTYPE, *Labrundinia becki* Roback, Tucker, Fla., 15.IV.52, (Vockeroth) CNC, det. S.S. Roback/Can. Nat. Coll. Type No. 10600, *Labrundinia* [sic] *becki* Rob., HOLOTYPE.
Remarks: The holotype is mounted on 2 different slides. Slide No. 535A contains the abdomen and thorax; slide No. 535B contains the legs, wings and antennae.
- Larsia canadensis*** Bilyj, 1984, Can. J. Fish. aquat. Sci. 41(4): 663. CANADA.
Holotype % (slide with associated pupal exuviae): HOLOTYPE Slide No. 4, Dog Bone Is., Southern Indian Lake, Manitoba, 10-13.VII.1978, Leg. B. Wong, Can. Nat. Coll. Type No. 16817 *Larsia canadensis* B. Bilyj.
Allotype & (slide): ALLOTYPE Slide No. 5, Sandhill Bay, Southern Indian Lake, Manitoba, 25-27.VI.1977, Leg. M. Collins, Can. Nat. Coll. Type No. 16817, *Larsia canadensis* B. Bilyj.
Paratypes: 4 larva, (slides), Newfoundland; 1 larva (slide), Quebec; 1% (slide), Ontario; 1 larva (slide), Manitoba; 1% (slide), Alberta; 5% 4&& (slides with pupal exuviae), 5% 5&& (slides with larval and pupal exuviae), 1% (slide), Northwest Territories, CNC No. 16817.
- Lasiodiamesa armata*** Brundin, 1966, K. svenska Vetensk Akad. Handl. (4) 11(1): 325. SWEDEN.
Holotype % (pinned): Abisko, Lpl., SWEDEN, 12.VII.1951, J.R. Vockeroth/Ex. pupa in

- Carex sand/Lasiod. armata Brund. Holot/
CNC No. 11607 HOLOTYPE.
Remarks: The pupal exuviae and terminalia of the holotype are stored in glycerine in glass microvials that are pinned with adult specimen.
- Lasiodiamesa brusti** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 15. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. 6. (N.W.T. 1.1), Rock pools in granite crevices, Baker L., N.W.T., 18.VII.67, Leg. R. Brust, Can. Nat. Coll. Type No. 9971, Lasiodiamesa brusti O.A. Saether.
Allotype & (slide, with larval and pupal exuviae): Same data as holotype except slide No. 10.
Paratypes: 3%&, 2&& (slide, with larval and pupal exuviae), 1 larva (slide), 1 pupa (slide), Northwest Territories.
- Lasiodiamesa nearctica** Brundin, 1966, K. svenska Vetensk Akad. Handl. (4) 11(1): 326. CANADA.
Holotype % (pinned): Saw Mill Bay, N.W.T., 23.VI.1948, D.F. Hardwick/9/Lasiodiam. nearctica Brund. Holotype/CNC No. 11608 HOLOTYPE.
Remarks: The pupal exuviae and abdomen of the holotype are stored in a glass microvial that is pinned with the specimen.
- Lauterbornia sedna** Oliver, 1976, Can. Ent. 108: 1061. CANADA.
Holotype & (slide): HOLOTYPE, Slide No. 52-135, Char L., Resolute, Cornwallis Is., N.W.T., 6.VII.68, D.R. Oliver, Can. Nat. Coll. Type No. 13600, Lauterbornia sedna Oliver.
Paratypes: 1& (slide with larval and pupal exuviae), 1& (slide with pupal exuviae), 13&& (slides), 15 larvae (slides), 6 pupal exuviae (slides), Northwest Territories.
- Lenziella cruscula** Saether, 1971, Can. Ent. 103: 1825. USA.
Holotype % (slide with larval exuviae): HOLOTYPE, Slide No. 66, Lewis & Clarke L., N. Dak., Date: 7-19.V.1969, Leg: P. Hudson, Det: O.A. Saether Can. Nat. Coll. Type No. 11473, Lenziella cruscula O.A. Saether.
Paratype: 1% (slide with pupal exuviae), South Dakota.
- Limnophyes carolinensis** Saether, 1975, Can. Ent. 107: 1050. USA.
Holotype % (slide): HOLOTYPE, Slide No. 1, 1.22.74, 18 Mile Creek, Sunny Acres, Clemson, S.C., Can. Nat. Coll. Type No. 13506, Limnophyes carolinensis, Leg. P. Hudson, Det. O.A. Saether/Limnophyes carolinensis 1.
Allotype & (slide): Jocassee Res., Salem, S.C., Elev. 1100 1.18.74 A, P. Hudson/ ALLOTYP, Slide No. A, 1.18.74, Jocassee Res., Salem, S.C., Elev. 1100, Can. Nat. Coll. Type No. 13506, Limnophyes carolinensis, Leg. P. Hudson, Det. O.A. Saether.
Paratype: 1% (slide), South Carolina.
- Limnophyes coloradensis** Saether, 1975, Can. Ent. 107: 1052. USA.
Holotype % (slide): HOLOTYPE, Slide No. 6-5, N. Boulder Creek, Aug. 2-3, 1971, Colorado, Can. Nat. Coll. Type No. 13508, Limnophyes coloradensis, Leg. O.A. Saether, Det. O.A. Saether.
- Limnophyes cristatissimus** Saether, 1975, Can. Ent. 107: 1032. USA.
Holotype % (slide): Jocassee Res., Salem, S.C., Elev. 1100' 10.16.73, P. Hudson/ HOLOTYPE, Slide No. 1, 10.16.73, Jocassee Res., Salem, S.C., Elev. 1100' Can. Nat. Coll. Type No. 13500, Limnophyes cristatissimus, Leg. P. Hudson, Det. O.A. Saether.
- Limnophyes folliculatus** Saether, 1975, Can. Ent. 107: 1050. CANADA.
Holotype & (slide): HOLOTYPE, Slide No. 42FF, 25.7.69, L. Wpg., (L.T.) 60J. Dock Victoria Beach, Can. Nat. Coll. Type No. 13505, Limnophyes folliculatus, Leg. S.S. Chang, Det. O.A. Saether.
- Limnophyes hamiltoni** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 101. CANADA.
Holotype % (slide): HOLOTYPE, On Shore Marion L., B.C., 13.IX.65, Det. O.A.S., Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 9993 Limnophyes hamiltoni O.A. Saether.
- Limnophyes hastulatus** Saether, 1975, Can. Ent. 107: 1054. USA.
Holotype % (slide): HOLOTYPE, 11.X.71, Slide No. PH 7, 10, Ed's Creek, Gavins Pt. Nat. Fish Hatchery, Yankton, S.D., Can. Nat. Coll. Type No. 13510, Limnophyes hastulatus, Leg. P. Hudson, Det. O.A. Saether.
Paratypes: 4% (slides), South Dakota.
- Limnophyes hudsoni** Saether, 1975, Can. Ent. 107: 1032. USA.
Holotype % (slide): HOLOTYPE, Slide No. 1-2, 3., 7.5.72, Stratmens Bottom, Missouri R., 2 mi. N. Niobrara, Neb./Can. Nat. Coll. Type No. 13501, Limnophyes hudsoni, Leg. P. Hudson, Det. O.A. Saether.
Allotype & (slide): ALLOTYP, Slide No. 11-10 (A), Beaver Cr., 8 mi. N., 2 mi. W., Yankton, S.D., Can. Nat. Coll. Type No. 13501, Limnophyes hudsoni, Leg. P. Hudson Det. O.A. Saether.
Paratypes: 2%&, 1& (slides), South Dakota; 1% (slide), South Carolina; 1% (slide), Nebraska; 1% (slide), Manitoba (Canada).
Remarks: The allotype slide is broken in half.
- Limnophyes immucronatus** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 103. CANADA.
Holotype % (slide): HOLOTYPE, Marion Lake, B.C., at dock, 8.V.65, Det. O.A. Saether, Coll. O.A.S. - A.L.H., Can. Nat. Coll. Type No. 9994, Limnophyes immucronatus O.A. Saether.
- Limnophyes margaretae** Saether, 1975, Can. Ent. 107: 1053. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 6D, L. Wpg. (L.T.), 14.IX.71, Hecla Island, Leg. M.P. McLean, Can. Nat. Coll. Type No. 13509, Limnophyes margaretae O.A. Saether.
- Limnophyes ninae** Saether 1975, Can. Ent. 107: 1048. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 61-P, L. Wpg., Calder's Dock, 31.8.71, L.T., Can.

- Nat. Coll. Type No. 13502, *Limnophyes ninae*, Leg. S.F. & N.H., Det. O.A. Saether.
Paratype: 1% (slide), Winnipeg.
- Limnophyes nudiradius*** Saether, 1975, Can. Ent. 107: 1048. USA.
Holotype % (slide): HOLOTYPE, Slide No. 2, 11-8, 19.4.72, Beaver Creek, 8 mi. N. 2 mi. W., Yankton, S.D., Can. Nat. Coll. Type No. 13503, *Limnophyes nudiradius*, Leg. P. Hudson, Det. O.A. Saether.
Paratypes: 5%% (slides), South Dakota.
- Limnophyes pilicistulus*** Saether, 1975, Can. Ent. 107: 1049. USA.
Holotype % (slide): HOLOTYPE, Slide No., Mariudahl Lake, 16.4.72, 2 mi E., 2 mi S., Mayfield, S.D., Spring below dam, Can. Nat. Coll. Type No. 13504, *Limnophyes pilicistulus*, Leg. P. Hudson, Det. O.A. Saether/*Limnophyes pilicistulus* AR-0.5.
- Limnophyes recisus*** Saether, 1975, Can. Ent. 107: 1052. USA.
Holotype % (slide): Stratmens Bottom, 1 mile north of Niobrara, Neb., small artesian fed creek, Ap. 19, 72, P. Hudson/HOLOTYPE, small artesian fed cr., Slide No. 3, 19.4.72, Stratmens Bottom, 1 mile north of Niobrara, Neb., Can. Nat. Coll. Type No. 13507, *Limnophyes recisus*, Leg. P. Hudson, O.A. Saether.
Paratypes: 2%% (slides), South Dakota.
- Limnophyes spatulosus*** Saether, 1975, Can. Ent. 107: 1055. USA.
Holotype % (slide): Spring fed creek, 1 mi. West Lake City, Minn., March 25 1973, Holotype., P. Hudson/HOLOTYPE, Slide No. Spring fed Creek, 1 mi West, Lake City, Minn., March 25 73, Leg. P. Hudson, Can. Nat. Coll. Type No. 13511, *Limnophyes spatulosus* O.A. Saether.
- Linacerus piloala*** Garrett, 1925, Seventy new Diptera. p. 9. CANADA.
Lectotype & (pinned): Cranbrook, B.C., 25.V./ Holotype *Linacerus piloala* & C. Garrett, C.B.D. Garrett/Lectotype Sublette 1963.
Paralectotype: 1& wing (slide No. 5601), 1& terminalia (slide No. 5601), remainder of specimen on pin, British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 291). The above slides are labeled as *Linacerus pilosa* Garrett.
- Lipurometriocnemus glabalis*** Saether, 1981, Ent. scand. Suppl. 16: 15. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 1% 1& (slides), St. Vincent, CNC No. 16751.
- Mesosmittia patrihortae*** Saether, 1985, Spixiana Suppl. 11: 47. USA.
Paratype: 1% (slide), South Carolina, CNC No. 18601.
- Mesosmittia prolixa*** Saether, 1985, Spixiana Suppl. 11: 48. USA.
Paratype: 1% (slide), Georgia, CNC No. 18602.
- Mesosmittia tora*** Saether, 1985, Spixiana Suppl. 11: 50. USA.
Paratypes: 1% (slide), South Dakota, CNC No. 18600.
- Micropsectra digitata*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 132. NEPAL.
Holotype % (slide): HOLOTYPE/*Micropsectra digitata* sp.n. 19-26.V.1967, Canad. Nepal Exped. 27E57'N 84E59'E. Mal. tr. 5, 10000', Vicinity of Katmandu, Nepal det. F. Reiss, 1970/Can. Nat. Coll. Type No. 11748.
- Micropsectra janetscheki*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 134. NEPAL.
Paratype: 1% (slide), Nepal, CNC No. 11745.
- Micropsectra repentina*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 136. NEPAL.
Holotype % (slide): HOLOTYPE/19-26.V.1967, *Micropsectra repentina* sp.n., 27E57'N. 84E59'E., 10000', Vicinity of Katmandu, Nepal., Canad. Nepal Exp., det. F. Reiss, 1970/Can. Nat. Coll. Type No. 11746.
Paratype: 1% (slide), Nepal.
- Micropsectra torta*** Reiss, 1971, Ergebn. Forsch Unternehmens Nepal Himalaya 4(1): 140. NEPAL.
Holotype % (slide): HOLOTYPE/17-23.V.1967, *Micropsectra torta* sp.n., Canad. Nepal Exped. 27E56'N. 85E00' E., Mal. tr. 8, 10000 feet, det. F. Reiss, Vicinity of Katmandu, Nepal/Can. Nat. Coll. Type No. 11744.
- Monodiamesa depectinata*** Saether, 1973, J. Fish. Res. Bd Can. 30(5): 666. CANADA.
Holotype % (slide): HOLOTYPE, slide No. 12 H, 20 mile creek, L. Wpg., Date: 1.IX.71, Leg. S. Flam & N. Hooper, Det. O.A. Saether, Can. Nat. Coll. Type No. 12917, *Monodiamesa depectinata* spec. nov.
Paratype: 1 larva (slide), Ontario.
- Monodiamesa proliobata*** Saether, 1973, J. Fish. Res. Bd Can. 30(5): 673. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., Marion Lake, B.C., Date: 18.VIII.1965, Leg: A.L. Hamilton, Det: O.A. Saether, Can. Nat. Coll. Type No. 12918, *Monodiamesa proliobata* spec. nov.
- Monodiamesa tuberculata*** Saether, 1973, J. Fish. Res. Bd Can. 30(5): 671. USA.
Holotype % (slides, with larval and pupal exuviae): HOLOTYPE W1285, 8-12, 408, Slide No., L. Michigan, near Waukegan, 12 m. Leg: 15.VIII.1972, Em: 20.VIII.1972, Legi C. Kondrat, Can. Nat. Coll. Type No. 12919, *Monodiamesa tuberculata* O.A. Saether.
Allotype & (slide, pupa, reared from larvae): Same data as holotype except 13.IV.1972.
Paratypes: 5 larvae (slides), Michigan.
Remarks: The larval and pupal exuviae of the holotype are mounted on a separate slide, No. 143.15-17.
- Nanocladius (Nanocladius) anderseni*** Saether, 1977, Bull. Fish. Res. Bd Can. 196: 16. USA.
Holotype % pupa (slide): HOLOTYPE' p., Slide No. Remount 3, 6392 2-1A, Missouri R., Brownville, Nebraska, Leg. D.L. Andersen, 13.V.75, Can. Nat. Coll. Type No. 14059, *Nanocladius (Nanocladius) anderseni* O.A. Saether.
Allotype & pupa (slide): Same data as holotype.
Paratypes: 2%% (slides), South Dakota.

- Nanocladius (Nanocladius) crassicornus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 51. USA.
Holotype % pupa (slide): HOLOTYPE, Slide No., Missouri R., Sioux City, Iowa, 27.IV.76, Leg. J. Novotny, Can. Nat. Coll. Type No. 15204, Nanocladius (Nanocladius) crassicornus O.A. Saether.
- Nanocladius (Nanocladius) incomptus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 43. USA.
Holotype % (slide, with pupal exuviae): HOLOTYPE, % p., Slide No. Cont. # 1, Keowee Reservoir, Little River Dam, S.C., Leg. P. Hudson, 16.IV.75, Can. Nat. Coll. Type No. 14062, Nanocladius (N.) incomptus O.A. Saether.
Allotype & (slide): Same data as holotype except slide No. 2-16, 19.V.75.
Paratypes: 1% 1& (slides), 2 larvae (slides), South Carolina.
- Nanocladius (Nanocladius) minimus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 21. USA.
Holotype % (slide, with pupal exuviae): HOLOTYPE % p., Slide No., Keowee Reservoir, S.C., Warpath Area, Oconee Nuclear Sta., Seneca, S.C., 28.IV.75, Leg. P.L. Hudson, Can. Nat. Coll. Type No. 14060, Nanocladius (Nanocladius) minimus O.A. Saether.
Allotype & (slide): Same data as holotype except Emerg. Trap heated, 7.2.75.
Paratypes: 1 larva, 1 pupa (slide), 3 pupal exuviae (slide), South Carolina.
- Nanocladius (Nanocladius) spiniplenus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 37. CANADA.
Holotype & (slide, reared from larvae): HOLOTYPE & 1 p., Slide No. CH905, Green Creek, Ontario, Leg. L. Haig-Smillie, R. Macdonald, 21.VI.1967, Can. Nat. Coll. Type No. 14061, Nanocladius (Nanocladius) spiniplenus O.A. Saether.
- Nanocladius (Plecopteracoluthus) branchicolus* Saether, 1977, Bull. Fish. Res. Bd Can. 196: 12. CANADA.
Holotype & (slide, reared from pupa): HOLOTYPE & p., Slide No. 1 0.12.3, 6.VII.1968, under wing pad Acroneuria lycorias - rapids in stream MacDonald L. to L. 665 E.L.A., Kenora, Leg. J.F. Flannagan, A.P. Wiens, Can. Nat. Coll. Type No. 14058, Nanocladius (Plecopteracoluthus) branchicolus O.A. Saether.
Paratypes: 4 larvae (slide), Ontario.
- Neostempellina thienemanni* Reiss, 1984, Spixiana 7(2): 205. GERMANY.
Paratype: 1% (slide), Germany, CNC No. 18426.
- Odontomesa ferringtoni* Saether, 1985, Spixiana 11: 25. USA.
Paratype: 1% (slide), Colorado, CNC No. 18607.
- Oreadomyia albertae* Kevan & Cutten-Ali-Khan, 1975, Can. J. Zool. 53(6): 856. CANADA.
Holotype & (slide): HOLOTYPE, Slide No., Bald Hills, Jasper Nat. Pk., Alta., 52E43'N., 117E41'W., 19-31.VIII.70, P. Kuchar, Can. Nat. Coll. Type No. 16041, Oreadomyia albertae Kevan & Cutten-Ali-Khan.
Remarks: McAlpine (1979, p. 597) first noted that this species belonged to the family Chironomidae. Subsequently, Oliver (1981 p. 123) redescribed the species and defined its placement within the Chironomidae.
- Orthocladius s.str. annectens* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 61. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Loc: Rushing River, Duck Mtns., Man., Submerged birch, 31.V.67, Leg: A.L.H. & O.A.S., Det. O.A.S., Can. Nat. Coll. Type No. 9982, slide No. M.19.2 reared, Orthocladius annectens O.A. Saether.
Paratype: 1% (slide, with pupal and larval exuviae), Ontario.
- Orthocladius s.str. breviseta* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 65. CANADA.
Holotype % (slide): HOLOTYPE, Loc: Stream, Marion L., B.C. (Forestry), Leg: O.A.S. & A.L.H., Det: O.A.S., Can. Nat. Coll. Type No. 9983, Slide No. B.C. 21, Orthocladius (Orthocladius) breviseta O.A. Saether.
- Orthocladius (s.s.) currani* Sublette, 1967, J. Kans. ent. Soc. 40(3): 315. USA.
Holotype % (slides): Sta., Study Insect, Tuxedo, N.Y., 5.VII.1928/Collector, C.H. Curran/Orthocladius (s.s.) currani Sublette, HOLOTYPE %/PARATYPE Camptocladius nerius Curran, CNC No. 4394/ Camptocladius PARATYPE nerius Curran % No.
Remarks: The above holotype is a misidentified paratype of *Camptocladius nerius* Curran (1930, p. 34). The terminalia of the holotype are mounted on a separate microscope slide, No. 565-2.
- Orthocladius (s.str.) manitobensis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 69. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. M.10.2, Stream below dam, L. Riviera, St. Annes, Man., 19.V.67, Leg. A.L.H., & A.W., det. O.A. Saether, Can. Nat. Coll. Type No. 9984, Orthocladius manitobensis O.A. Saether.
- Orthocladius obseptus* Webb, 1969, J. Kans. ent. Soc. 42(1): 91. CANADA.
Paratypes: 1% 1& (alcohol), Ontario, CNC No. 11941.
- Orthocladius (s.str.) wiensi* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 73. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No., Beaver dam, Marchand, Man., 19.V.67, reared, Leg. A.L.H., A.P. Wiens, det. O.A. Saether, Can. Nat. Coll. Type No. 9985, Orthocladius wiensi O.A. Saether/118.31.
Allotype & (slide, with pupal exuviae): Same data as holotype, except slide No. M.5.4, 3/4 m.NE. Marchand, Man.
Paratypes: 1% 1& (slides, with pupal exuviae), Manitoba.
- Orthocladius (Orthocladius) appersoni* Sponis, 1977, Mem. ent. Soc. Can. 102: 27. USA.
Paratypes: 3% (slides), Yukon Territory; 2% (slides), California, CNC No. 13994.
- Orthocladius (Orthocladius) charensis* Sponis, 1977, Mem. ent. Soc. Can. 102: 33. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., Trap No. Tr 46-11, #108, Char Lake, Resolute Cornwallis I., N.W.T., 23 August 1969, D.R. Oliver & P. Corbet, Can. Nat. Coll. Type No.

- 13995, *Orthocladius* (O.) *charensis* n.sp. A.R. Soponis.
Allotype & (slide): Same data as holotype, except emerg. trap 5, 13 Aug 1970, (no collector).
Paratypes: 48% (slides); 20 larvae (slides), 25 pupal exuviae, 3 larval exuviae (slides), Northwest Territories; 2% (slide), Greenland.
- Orthocladius* (*Orthocladius*) *clarkei*** Soponis, 1977, Mem. ent. Soc. Can. 102: 37. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No., Clarke's Farm, 4 mi. NW., Almonte, Ontario, coll. 13.V.72, em. 17.V.72, A.R. Soponis, Can. Nat. Coll. Type No. 13996, *Orthocladius* (O.) *clarkei* n. sp. A.R. Soponis/118.28.
Allotype & (slide with larval and pupal exuviae): Same data as holotype, except em. 16.V.72, No. 118. 29.
Paratypes: 3% (slide, with larval and pupal exuviae), 4% (slide, with larval exuviae), Ontario; 1% (slide), Illinois; 1% (slide), Pennsylvania.
- Orthocladius* (*Orthocladius*) *cooki*** Soponis, 1977, Mem. ent. Soc. Can. 102: 41. USA.
Paratypes: 2% (slides), Minnesota; 1% (slide), Pennsylvania, CNC No. 19566.
- Orthocladius* (*Orthocladius*) *ferringtoni*** Soponis, 1983, J. Kans. ent. Soc. 56(4): 571. USA.
Paratypes: 1% (slide, with pupal exuviae), 6 pupal exuviae (slide), Kansas, CNC No. 18217.
- Orthocladius* (*Orthocladius*) *hazenensis*** Soponis, 1977, Mem. ent. Soc. Can. 102: 56. CANADA.
Holotype % (slide): NE 215, HOLOTYPE, Slide No., Hazen Camp, Ellesmere I., N.W.T., 11.VIII.1961, D.R. Oliver, Can. Nat. Coll. Type No. 13997, *Orthocladius* (O.) *hazenensis* n.sp. A.R. Soponis.
Paratypes: 10% (slides), Northwest Territories.
- Orthocladius* (*Orthocladius*) *hellenthalii*** Soponis, 1977, Mem. ent. Soc. Can. 102: 57. USA.
Paratypes: 2% (slides), California; 1% (slide), Northwest Territories, CNC No. 13998.
- Orthocladius* (*Orthocladius*) *knuthi*** Soponis, 1977, Mem. ent. Soc. Can. 102: 58. GREENLAND.
Holotype % (slide, with pupal exuviae): HOLOTYPE, Slide No., Nedre Midsommer So, Greenland, coll. 16.VII. em. 22.VII.1966, Can. Peary Land Expd. G.P. 30.222, Can. Nat. Coll. Type No. 13999, *Orthocladius* (O.) *knuthi* n.sp. det. A.R. Soponis.
Allotype & pupa (slide): Same data as holotype, except slide No. GP 1-14, 23.VII.1966.
Paratypes: 3% (slides), Greenland; 2% (slides), Northwest Territories.
- Orthocladius* (*Orthocladius*) *oliveri*** Soponis, 1977, Mem. ent. Soc. Can. 102: 87. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. R. Blanche, 1 mi. N. of Perkins, Quebec, 2.V.71. D.R. Oliver 70-2, Can. Nat. Coll. Type No. 14000, *Orthocladius* (O.) *oliveri* n. sp. det. A.R. Soponis/039.
Allotype & (slide reared): Same data as holotype, except coll. 30.IV.1973, em. 3.V.1973.
Paratypes: 93% (slides), 10 larval exuviae, 10 pupal exuviae (slides), Québec; 5% (slide), 2% (slides), 4 larval exuviae, 4 pupal exuviae (slides) 1% (slide), Ontario; 5% (slides) South Dakota; 5% (slides), Illinois; 1% (slide) Iowa.
- Orthocladius* (*Orthocladius*) *robacki*** Soponis, 1977, Mem. ent. Soc. Can. 102: 92. USA.
Paratypes: 1% (slide, with pupal exuviae), 2 pupal exuviae (slide), Pennsylvania; 1% (slide), New York, CNC No. 19623.
- Orthocladius* (*Orthocladius*) *subletti*** Soponis, 1977, Mem. ent. Soc. Can. 102: 95. USA.
Paratypes: 1% (slide), Idaho; 1% (slide), California, CNC No. 19624.
- Orthocladius* (*Orthocladius*) *tryoni*** Soponis, 1977, Mem. ent. Soc. Can. 102: 100. USA.
Paratypes: 1% (slide), Minnesota; 1% pupa (slide), New Hampshire; 2 pupal exuviae (slide), no locality data; 1% (slide), Oregon; 1% (slide), Pennsylvania; 1% (slide), Manitoba (Canada), CNC No. 14001.
- Pagastia orthogonia*** Oliver, 1959, Ent. Tidskr. 80(1-2): 51. USA.
Holotype % (slide): HOLOTYPE, *Pagastia orthogonia*, On tundra, Cold Bay 163EW. Alaska, 18.VIII.52, Can. National Coll., Leg. W.R. Mason, det. D.R. Oliver/CNC No. 19627.
Paratypes: 1% (slide), Alaska; 1% (slide), Michigan.
- Parachaetocladius hirtipectus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 100. CANADA.
Holotype % (slide, with pupal exuviae): HOLOTYPE, Slide No. B.C. 41, reared, U.B.C. Forest, Haney, B.C., 15.VII.67, Alloete [sic] river, Leg O.A.S. A.L.H., Can. Nat. Coll. Type No. 9992, *Parachaetocladius hirtipectus* n.sp., O.A. Saether.
- Parakiefferiella* (s.str.) *torulata*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 138. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. M.2.1, reared, Depth 0.2 m. ditch, Chara bottom, Whiteshell Pk., 16.IV.-27.IV.1967, Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 10003, *Parakiefferiella torulata* O.A. Saether/ 123.7-9.
- Paralauterborniella ostansa*** Webb, 1969, J. Kans. ent. Soc. 42(1): 102. CANADA.
Paratypes: 3% (slide, with pupal exuviae), 3% (alcohol), Ontario, CNC No. 11936.
- Parametricnemus eoclivus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 108. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. DRO 15.1-6, Notch Rd. Spring, Gatineau PK., P.Q., Coll. 16.V.67, em. 21.V.67, Leg. D.R.O., R.O.M., L.A.S., Det. O.A. Saether, Can. Nat. Coll. Type No. 9996, *Parametricnemus eoclivus* O.A. Saether/ 129.11.
- Parametricnemus vespertinus*** Saether, 1969, Bull. Fish. Res. Bd Can. 170: 119. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. A.3.1, Waterton Nat Pk., Alta., Rowe Creek, by Hwy., 21.VII.67, Leg O.A.S., A.L.H., Det. O.A. Saether, Can. Nat. Coll. Type No. 9997, *Parametricnemus vespertinus* O.A. Saether.
Paratype: 1% pupa (slide), Alberta.

- Paraphaenocladus nasthecus* Saether, 1969, Bull. Fish. Res. Bd. Can. 170: 123. CANADA.
Holotype % (slide, with pupal exuviae): HOLOTYPE, Slide No. M.12.1, reared, Spruce siding, Manitoba, Ditch eastside North Forest and Sandy, Leg. A. Hamilton, Det. O. Saether, Can. Nat. Coll. Type No. 9998, Paraphaenocladus nasthecus O.A. Saether.
- Parapsectra mendli* Reiss, 1983, Spixiana 6(1): 79. GERMANY.
Paratype: 1% (slide), Germany CNC No. 19630.
- Paratanypus kiefferi* Garrett, 1925, Seventy new diptera, p. 8. CANADA.
Lectotype % (pinned): Cranbrook, B.C., 21.X./Holotype Paratanypus kiefferi [sic] % C. Garrett, C.B.D. Garrett/CNC Type No. 7926 Slide No. 1/Lectotype Sublette, 1963.
Paralectotypes: 4&& (pinned), British Columbia.
Remarks: For lectotype designation see Sublette (1967, p. 292). The terminalia of the lectotype is mounted on microscope slide No. 1.
- Pedionomus beckae* Sublette, 1964, Tulane Stud. Zool. 11(4): 137. USA.
Paratypes: 1% 1& (slides), Louisiana; 1% (slide), Florida, CNC No. 10951.
- Pelopia catemaco* Roback, 1964, Ent. News 75(6): 141. MEXICO.
Holotype % (slides): 250A, HOLOTYPE, Pelopia catemaco Roback, Lake Catemaco, Veracruz, CNC, det. s.s. Roback/Can. Nat. Coll. Type No. 10599, Pelopia catemaco Roback, HOLOTYPE.
Remarks: The holotype is mounted on 2 separate slides. Slide No. 250A contains both antennae and 4 legs; slide No. 250B contains head, thorax and abdomen.
- Phaenopsectra (Phaenopsectra) pilicellata* Grodhaus, 1976, J. Kans. ent. Soc. 49(3): 405. USA.
Paratype: 1% (slide), 8%&, 2&& (alcohol), California, CNC No. 15098.
- Phycoidella dentolatens* Saether, 1971, Can. Ent. 103: 1814. CANADA.
Holotype % (slide, with pupal and larval exuviae): HOLOTYPE slide No. 0.83, Lake 164 E.L.A. Kenora, Date: 22.VIII.1967, Leg: A.L.H. & O.A.S., Det: O.A. Saether, Can. Nat. Coll. Type No. 9972 Phycoidella [sic] dentolatens O.A. Saether/117.23-28.
Allotype & (slide, prepared from damaged pupa): Same data as holotype.
Paratype: 1 larva (slide), Ontario.
- Platysmittia bilyji* Saether, 1984, Ent. scand. 15: 528. CANADA
Holotype % (slide): HOLOTYPE, Loc. Cowan Cr., Dat. Duck Mtns., Man., Leg. 27.5.1980, Can., Slide No., CNC Type No. Platysmittia bilyji Saether/Can. Nat. Coll. Type No. 18608.
Remarks: There is a female specimen on a slide labeled as the allotype, but no allotype was listed in the original description.
- Plecopteracoluthus downesi* Steffan, 1965, Can. Ent. 97: 1331.
Holotype % (slides): HOLOTYPE, Slide No. 1-7, (no locality data) Coll. det. June 1964, A.W. Steffan, Can. Nat. Coll. Type No. 8458, Plecopteracoluthus downesi n.sp. %
Paratypes: 1 larva (slide), 6 (slides) various parts of antenna and female terminalia, Quebec.
Remarks: The holotype is mounted on seven different slides.
- Phludsonia partita* Saether, 1982, Ent. scand. 13: 467. USA.
Paratype: 1% (slide), Tennessee, CNC No. 18604.
- Polypedilum (Polypedilum) ophioides* Townes, 1945, Am. Midl. Nat. 34(1): 57. USA.
Paratypes: 1% (pinned), Quebec (Canada); 1% (pinned), Ontario (Canada), CNC No. 5668.
Remarks: The terminalia of both of the above paratypes are mounted on microscope slide Nos. IV.2.42C and IV.2.42H.
- Polypedilum (Polypedilum) vibex* Townes, 1945, Am. Midl. Nat. 34(1): 52. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., Ottawa, Ont., 26.VII.1924, C.H. Curran, Can. Nat. Coll. Type No. 5664, Polypedilum vibex Townes/Polypedilum vibex Type Towns [sic] Ottawa, Ont., 26.VII.1924, C.H. Curran/TYPE Polypedilum vibex Tow., CNC No. 5664.
Paratypes: 5%&, 1& (pinned), Ontario.
- Polypedilum (Polypedilum) walleyi* Townes, 1945, Am. Midl. Nat. 34(1): 52. CANADA.
Holotype % (slide): HOLOTYPE, Slide No., Aylmer, Que., 14.VIII.1924, C.H. Curran, Can. Nat. Coll. Type No. 5665, Polypedilum walleyi Townes/Polypedilum walleyi Type Towns [sic]/Aylmer, Que., 14.VIII.1924, C.H. Curran/TYPE Polypedilum walleyi Tow., CNC No. 5665.
Paratype: 1% (pinned), Ontario.
- Polypedilum (Tripodura) simulans* Townes, 1945, Am. Midl. Nat. 34(1): 43. USA.
Paratype: 1% (pinned), Ontario, CNC No. 5669.
Remarks: The terminalia of the above paratype is mounted on microscope slide No. IV.2.42B.
- Procladius malifero* Garrett, 1925, Seventy new Diptera, p. 10. CANADA.
Syntypes: 4%&, 3&& (pinned), CNC No. 7929.
"%; Cranbrook, B.C., 20.V./Holotype Procladius melafera [sic] % C. Garrett, C.B.D. Garrett".
"&; Cranbrook, B.C., 20.V./Allotype procladius melafero [sic] & C. Garrett, C.B.D. Garrett".
"3%&, 2&&; Cranbrook, B.C., 20.V./Paratype Procladius melafero [sic] C. Garrett, C.B.D. Garrett".
- Procladius (Calotanypus) maculatus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 152. USA.
Paratypes: 9&& (pinned), Florida; 2&& (pinned), Georgia, CNC No. 10926.
- Procladius (Procladius) abetus* Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 185. CANADA.
Holotype % (slides): Wabamun, Alta., 6.VII.1931, F.H. Strickland/Holotype, Can. Nat. Coll. Type No. 13543/137A HOLOTYPE
Procladius (P.) abetus Roback, Alb., det. S.S. Roback.
Allotype & (slide): Same data as holotype.
Paratype: 1& (slide), Alberta.

Remarks: The holotype is mounted on 2 separate slides. No. 137A has the legs, head and part of the thorax; slide No. 137B contains the abdomen.

Procladius (Procladius) clavus Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 187. CANADA.

Holotype % (slides): 256A, HOLOTYPE'
Procladius (P.) clavus Roback, Spence Bay, N.W.T., 22-29.VII.51, (Chillcott) CNC det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10590.

Allotype & (slide): 279&, ALLOTYPE,
Procladius (P.) clavus Roback, Ceillini L., N.W.T., 19.VII.52, (Chillcott) CNC det. S.S. Roback/ALLOTYPE, Can. Nat. Coll. Type No. 10590, Procladius clavus Roback.

Paratype: 1% (slide), 5&& (alcohol), Northwest Territories.

Remarks: The holotype is mounted on 2 separate slides. No. 256A contains the legs, antennae and abdomen; slide No. 256B contains the head and thorax. Most of the adult allotype is stored in alcohol.

Procladius (Procladius) curtus Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 181. USA.

Holotype % (slides): 201A, HOLOTYPE,
Procladius (P.) curtus Roback, Elfers, Fla., 16.VI.52, (J.R. Vockeroth), CNC det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10594.

Allotype & (slides): Same data as holotype.

Paratypes: 13&& (pinned), Florida.

Remarks: The holotype is mounted on 2 separate slides. No. 201A contains the antennae, wing, leg and abdomen; slide No. 201D contains wing, legs and thorax. The allotype is mounted on 2 separate slides. No. 201B contains the head, 3 legs and wing; slide No. 201C contains the abdomen, thorax and 2 legs.

Procladius (Procladius) dentus Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 186. CANADA.

Holotype % (slides): 253A, HOLOTYPE,
Procladius (P.) dentus Roback, Ft. Churchill, Man., 12.VIII.52, (Chillcott) CNC, det. S.S. Roback/Can. Nat. Coll. Type No. 10595
Procladius dentus Roback, Holotype.

Allotype & (alcohol): Same data as holotype.

Paratypes: 1& (slide with pupal exuviae), 1% 1& (alcohol), 1% 1& (alcohol with pupal exuviae), Quebec; 1% (slide), 1% 4&& (alcohol), Manitoba; 1% (slide); (remainder of specimen in alcohol), Saskatchewan; 1% (slides), 3% 3&& (alcohol) Northwest Territories; 2% (slides), 1% 8&& (pinned), Alaska.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 253A contains head, antennae, 4 legs and abdomen. On slide No. 253B, the mounting medium has darkened to the point where it is impossible to see what is mounted on slide.

Procladius (Procladius) desis Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 178. USA.

Paratype: 1% (slides), Northwest Territories, CNC No. 19628.

Procladius (Procladius) gretis Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 184. CANADA.

Holotype % (slides): 258A, HOLOTYPE'
Procladius (P.) gretis Roback, Nettilling

Lake, N.W.T., 8.VIII.56, CNC det. S.S. Roback/Can. Nat. Coll. Type No. 10596,
Procladius gretis Roback, HOLOTYPE.

Allotype & (slide): Same data as holotype.

Paratype: 1& (alcohol), Northwest Territories.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 258A contains both wings, 4 legs and the abdomen; slide No. 258B contains the head and thorax. The left wing, thorax and abdomen of the allotype are stored in alcohol.

Procladius (Procladius) paragretis Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 185.

GREENLAND.

Holotype % (slides): 261A, HOLOTYPE,
Procladius (P.) paragretis Roback, Sandstrom [sic] Air Base, Greenland, VII.2.52, (W.J. Brown) CNC, det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10592.

Allotype & (slide): Same data as holotype.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 261A contains 3 legs, 1 wing and the abdomen; slide No. 261B contains head and thorax; the remaining 3 legs are stored in alcohol. The right wing, right 3 legs, thorax, and abdomen of the allotype are stored in alcohol.

Procladius (Procladius) prolongatus Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 188. CANADA.

Holotype % (slides): 256-1 A, HOLOTYPE,
Procladius (P.) prolongatus Roback, Spence Bay, 22-29.VII.51, (Chillcott) CNC det. S.S. Roback/HOLOTYPE' Slide No., 266-1A, Spence Bay, 22-29.VII.51, Chillcott, Can. Nat. Coll. Type No. 10591, Procladius prolongatus Roback.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 256-1A contains the abdomen; slide No. 256-1B contains 3 legs, 1 wing, both antennae, the head, and thorax; the remaining 3 legs are stored in alcohol.

Procladius (Procladius) rurus Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 182. CANADA.

Holotype % (pinned): Elkwater, Alta., 49E42' 110E16', 2.VI.1955, J.R. Vockeroth/SLIDE No. 197a/TYPE procladius (P.) rurus Roback/CNC No. 10597 HOLOTYPE.

Allotype & (slides): Same data as holotype.

Paratypes: 15% 43&& (pinned), 1% (slide), Alberta; 2&& (pinned), 1% (slide), Saskatchewan; 1% 1& (pinned) Ontario.

Remarks: The holotype has its abdomen and terminalia mounted on microscope slide No. 197A. There are 2 additional slides labeled as paratypes but they are from localities not mentioned in the original description.

Procladius (Procladius) vesus Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 181. CANADA.

Holotype % (slides): 280A, HOLOTYPE,
Procladius (P.) vesus Roback, Muskox Lake, N.W.T., 25.VII.53, (Chillcott) CNC det. S.S. Roback/HOLOTYPE/Can. Nat. Coll. Type No. 10598.

Allotype & (slide): Same data as holotype.

Paratypes: 2&& (alcohol), Northwest Territories.

Remarks: The holotype is mounted on 2 separate slides. Slide No. 280A contains 3 legs, 1 antennae and the abdomen. On slide No. 280B, the mounting medium has darkened, making it difficult to see what is mounted on

it. The left wing, 2 left legs, and abdomen of the allotype are stored in alcohol.

Procladius (Psilotanypus) nietus Roback, 1971, Monogr. Acad. nat. Sci. Philad. 17: 168. CANADA.

Holotype % (pinned): Atlin, B.C., 2200', 9.VI.1955, H. Huckel/yellow label/Slide No. 194/TYPE *Procladius* (Ps.) *nietus* Roback/CNC No. 10593 HOLOTYPE.

Remarks: The abdomen and terminalia of the holotype are mounted on microscope slide No. 194.

Prodiamesa cubita Garrett, 1925, Seventy new Diptera, p. 7. CANADA.

Holotype % (pinned): Fernie, B.C., 12.VI/Coal Creek/Monotype *Prodiamesa cubita* % C. Garrett, C.B.D. Garrett/CNC Type No. 7921, Slide No. 1.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 1.

Prodiamesa lutosopra Garrett, 1925, Seventy new Diptera, p. 7. CANADA.

Holotype & (slide): Cranbrook, B.C., 24.V./MONOTYPE *Prodiamesa lutosopra* & C. Garrett, C.B.D. Garrett/7230/= *Odontomesa lutosopra* (Garrett)/CNC No. 7920.

Prodiamesa pertinax Garrett, 1925, Seventy new Diptera, p. 6. CANADA.

Lectotype & (pinned): Cranbrook, B.C., 6.IV./2535/Holotype *Prodiamesa pertinax* % C. Garrett, C.B.D. Garrett/CNC Type no. 7918, Slide No. 1/Lectotype Sublette, 1963.

Paralectotypes 6&& (pinned), 1& wing, 1& palpi (slide No. 5613), 1& wing, 1& antennae, 1& palpi (slide No. 5625), British Columbia.

Remarks: For lectotype designation see Sublette (1967, p. 301). The terminalia of the lectotype are mounted on microscope slide No. 1.

Prodiamesa sequax Garrett, 1925, Seventy new Diptera, p. 7. CANADA.

Lectotype % (slide): *Prodiamesa sequax* Garrett, CNC Type no. 7919, & genitalia, Slide no. 1, Lectotype J.E.S[ublette] 1963.

Remarks: For lectotype designation see Sublette (1967, p. 305).

Protanypus hamiltoni Saether, 1975, J. Fish. Res. Bd Can. 32(3): 375. CANADA.

Holotype %: HOLOTYPE, Slide No. 18.V.1965, Dock, Halifax narrows, Babine Lake B.C., Leg. A.L. Hamilton, Can. Nat. Coll. Type No. 13402, *Protanypus hamiltoni* O.A. Saether/D25.

Paratypes: 1% (slide), 4 pupal exuviae (slides), 2 larvae (slide), British Columbia.

Protanypus ramosus Saether, 1975, J. Fish. Res. Bd Can. 32(3): 368. CANADA.

Holotype % (slide): HOLOTYPE, Slide No. 1.X.68, ELA, Kenora, Ont., L. 122, Stn. 6, Leg. P. Chang, Can. Nat. Coll. Type No. 13403, *Protanypus ramosus* O.A. Saether/D24.

Remarks: There are 2 slides labeled as paratypes but these are listed under other material in the original description.

Protanypus saetheri Wiederholm, 1975, Ent. scand. 6(3-4): 224. USA.

Paratype: 1% (slide), Alaska, CNC No. 15200.

Psectrocladius* (s.str.) *semicirculatus Saether, 1969, Bull. Fish. Res. Bd Can. 170: 79. CANADA.

Remarks: There is a slide in the CNC labeled as the holotype; however, the data on the slide, "HOLOTYPE, Slide No. 0.10.3, Kenora, Ont., Lake M. 6-7 Mando Rd., 23.VIII.67, Leg. A.L.H., O.A.S., Can. Nat. Coll. type No. 9987, *Psectrocladius semicirculatus* O.A. Saether", does not agree fully with that of the original description.

Pseudochironomus articaudus Saether, 1977, Bull. Fish. Res. Bd Can. 196: 81. CANADA.

Holotype % (slide): HOLOTYPE, Slide No. 50Q, McBeth Harbour, L.T., L. Winnipeg, Manitoba, Leg. S.S. Chang, 30.VII.69, Can. Nat. Coll. Type No. 15019, *Pseudochironomus articaudus* O.A. Saether.

Paratypes: 3%, Manitoba.

Pseudochironomus badius Saether, 1977, Bull. Fish. Res. Bd Can. 196: 69. CANADA.

Holotype % (slide): HOLOTYPE, Slide No. 46 BBB, L. Wpg. L.T. 6.5 mi off Sturgeonskin Pt., Long Pt., L. Winnipeg, Manitoba, Leg. S.S. Chang, 14.VII.1969, Can. Nat. Coll. Type No. 15018, *Pseudochironomus badius* O.A. Saether.

Paratypes: 4%, Manitoba.

Pseudochironomus richardsoni Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 500. USA.

Paralectotypes: 1%, 1& (pinned), Illinois, CNC No. 2710.

Remarks: For lectotype designation see Frison (1927, p. 176).

Pseudorthocladius dumicaudus Saether, 1969, Bull. Fish. Res. Bd Can. 170: 126. CANADA.

Holotype % (slide): HOLOTYPE, Slide No., Marion Lake, B.C., at hut, 30.VI.65, Coll. A.L. Hamilton, Can. Nat. Coll. Type No. 9999, *Pseudorthocladius dumicaudus* O.A. Saether.

Pseudorthocladius (Pseudorthocladius) virgatus Saether & Sublette, 1983, Ent. scand. Suppl. 20: 81. USA.

Paratypes: 2% (slides), South Carolina, CNC No. 18595.

Pseudosmittia digitata Saether, 1981, Ent. scand. Suppl. 16: 25. ST. LUCIA, BRITISH WEST INDIES.

Paratypes: 2% (slides), St. Vincent, British West Indies, CNC No. 16754.

Pseudosmittia setavena Saether, 1969, Bull. Fish. Res. Bd Can. 170: 144. CANADA.

Holotype % (slide): HOLOTYPE, Slide No. B.C. 1.1, Stream near Field, B.C., road to Takkakaw Falls, 12.VII.67, Det. O.A. Saether, Coll. A.L.H., O.A.S., Can. Nat. Coll. Type No. 10004, *Pseudosmittia setavena* O.A. Saether.

Psilometriocnemus cristatus Saether, 1982, Ent. scand. 13: 480. USA.

Paratypes: 3% (slides), South Carolina, CNC No. 18597.

- Psilometriocnemus triannulatus* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 107. USA.
Holotype % (slide, with pupal exuviae): HOLOTYPE, Slide No. D.R.O. 40.45, Monroe Brook, Mt. Washington, N.H., Coll. 13.VI.67, Emg. no rec., Leg. D.R.O., Can. Nat. Coll. Type No. 9995, *Psilometriocnemus triannulatus* O.A. Saether.
Paratype: 1& (slide), Gold Coast, CNC No. 17901.
- Rheocricotopus eminellobus* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 85. CANADA.
Holotype % (slide, with pupal exuviae): HOLOTYPE, Slide No. A.3.1, Waterton National Pk., Alta., Rowe creek by Hwy., 21.VII.67, Det. O. Saether, Leg. A. Hamilton, O.A.S., Can. Nat. Coll. Type No. 9988, *Rheocricotopus eminellobus* O.A. Saether.
Allotype & (slide, with pupal exuviae): Same data as holotype except no Rowe creek by Hwy.
Paratypes: 1& with pupal exuviae (slide), 4&& (slides), Alberta.
- Rheocricotopus godavarius* Lehmann, 1969, Arch. Hydrobiol. 66(3): 361. NEPAL.
Holotype % (slide): HOLOTYPE, Slide No., *Rheocricotopus godavarius* Lehmann, Can. Nat. Coll. Type No. 11459, Godavari, 5000' Nepal, leg. Can. Nepal Exp./Holotypus.
- Rheocricotopus kenorensis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 88. CANADA.
Holotype % (slide): HOLOTYPE, Slide No. 0.7.1, Kenora, Ont., stream M 18, Mando log road, 22.VIII.67, Det. O. Saether, Leg. O. Saether, A. Hamilton, Can. Nat. Coll. Type No. 9989, *Rheocricotopus kenorensis* O.A. Saether.
Paratype: 1% (slide), Ontario.
- Rheocricotopus nepalensis* Lehmann, 1969, Arch. Hydrobiol. 66(3): 362. NEPAL.
Holotype % (slide): HOLOTYPE, Slide No. *Rheocricotopus nepalensis*, Lehmann, Can. Nat. Coll. Type No. 11460, 13-19.V.67, Nepal, 27E57'N. 84E59'E., Leg. Can. Nepal Exp./Holotypus.
- Rheocricotopus pauciseta* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 89. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. B.C. 2.1 (3), reared U.B.C. Forestry Farm, Haney, B.C., stream, Marion L., leg. O.A. Saether, A. Hamilton, 15.VII.67, Det. O. Saether, Can. Nat. Coll. Type No. 9990, *Rheocricotopus pauciseta* O.A. Saether.
Paratypes: 2%&& (slides), Alberta; 1 pupa with larval exuviae, British Columbia.
- Rheocricotopus (Rheocricotopus) amplicristatus* Saether, 1985, Spixiana 11: 95. USA.
Paratype: 1% (slide), South Carolina, CNC No. 18606.
- Rheocricotopus (Rheocricotopus) effusoides* Saether, 1985, Spixiana 11: 98. USA.
Paratype: 1% (slide), South Dakota, CNC No. 18605.
- Smittia windwardensis* Saether, 1981, Ent. scand. Suppl. 16: 23. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 1% (slide), St. Vincent; 1% (slide), St. Lucia, CNC No. 16752.
- Stenochironomus albicoxa* Freeman, 1957, Bull. Br. Mus. nat. Hist. (Ent.) 5(9): 414. BELGIAN CONGO.
- Stenochironomus anomalis* Freeman, 1961, Aust. J. Zool. 9(4): 706. AUSTRALIA.
Paratype: 1% (slide), Tasmania, CNC No. 17900.
- Stenochironomus browni* Townes, 1945, Am. Midl. Nat. 34(1): 86. USA.
Paratypes: 2%&, 2&& (slides), Florida, CNC No. 19632.
- Stenochironomus koreanus* Borkent, 1984, Mem. ent. Soc. Can. 128: 126. NORTH KOREA.
Paratypes: 2%& (pinned), 1% (slide), North Korea, CNC No. 17767.
- Stenochironomus niger* Borkent, 1984, Mem. ent. Soc. Can. 128: 57. USA.
Holotype % (slide, with associated pupal exuviae mounted on a separate microscope slide): *Stenochironomus niger* Borkent, CNC No. 17747, HOLOTYPE, Loc: Oak Creek Canyon, Sedona Arizona, Date: 15.IV.1981, Det: A. Borkent, Coll: A. Borkent CH9212-R28.VII.81.
Allotype & (slide, with associated pupal exuviae mounted on a separate microscope slide): Same data as holotype, except CH9212-R-17-19.V.81.
Paratypes: 1& (slide), 1 pupal exuviae, 4 larval exuviae (slides), 1 pupal exuviae (alcohol), Arizona.
- Stenochironomus nubilipennis* Yamamoto, 1981, Bull. Kitakyushu Mus. nat. Hist. 3: 42. JAPAN
Paratypes: 1% (pinned), 1% 1& (slides), Japan, CNC No. 19634.
- Stenochironomus palliaculeatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 130. BRAZIL.
Paratype: 1% (slide), Colombia, CNC No. 17770.
- Stenochironomus reissi* Borkent, 1984, Mem. ent. Soc. Can. 128: 128. BRAZIL.
Paratype: 1% (slide), Brazil, CNC No. 17768.
- Stenochironomus varius* Borkent, 1984, Mem. ent. Soc. Can. 128: 130. VENEZUELA.
Holotype % (slide): *Stenochironomus varius* Borkent, CNC No. 17771, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 M., Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Allotype & (slide): Same data as holotype.
Paratypes: 29&& (pinned), 1% 5&& (slides), Venezuela.
- Stenochironomus watsoni* Freeman, 1961, Aust. J. Zool. 9(4): 705. AUSTRALIA.
Paratype: 1% (slide), Australia, CNC No. 17889.
- Stenochironomus (Petalopholeus) bacrionis* Borkent, 1984, Mem. ent. Soc. Can. 128: 105. ECUADOR.
Holotype % (slides with larval and pupal exuviae each on separate microscope slides): *Stenochironomus bacrionis* Borkent, CNC 17758, Loc: ECUADOR, 5 km N. Tena, Date: 13.11.1982, Det: A. Borkent, Coll: Borkent & Wood/HOLOTYPE.
Paratypes: 1% (slide), 1 pupal exuviae (slide), 1 larval exuviae (slide), Ecuador.

- Stenochironomus (Petalopholeus) gladius* Borkent, 1984, Mem. ent. Soc. Can. 128: 108. COSTA RICA.
Holotype % (slides with associated larval and pupal exuviae mounted on separate microscope slides): *Stenochironomus gladius* Borkent, CNC No. 17760, HOLOTYPE, Loc: Pto. Viejo-La Selva, Heredia, Costa Rica, Date: 20.II.80, Coll: D.M. Wood, Det: CH9089-R-14.III.80/HOLOTYPE.
Paratypes: 4%% (slides), 3 pupal exuviae, 2 larval exuviae (slides), 1 pupal exuviae (alcohol), Costa Rica.
- Stenochironomus (Petalopholeus) impendens* Borkent, 1984, Mem. ent. Soc. Can. 128: 97. BRAZIL.
Paratype: 1% (slide), no locality data, CNC No. 17755.
- Stenochironomus (Petalopholeus) jubatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 116. BRAZIL.
Paratype: 1& (slide), Brazil, CNC No. 17765.
- Stenochironomus (Petalopholeus) nudipupa* Borkent, 1984, Mem. ent. Soc. Can. 128: 117. COSTA RICA.
Holotype % (slide): *Stenochironomus nudipupa* Borkent, CNC No. 17766, Holotype, Loc: Pto. Viejo-La Selva, Heredia, Costa Rica, Date: 20.II.1980, Coll: D.M. Wood, Det: CH 9089-R-14.III.80/HOLOTYPE.
Allotype & (slide): Same data as holotype except CH 9089.
Paratypes: 6%%, 1& (slides), 8 larval exuviae, 10 pupal exuviae (slides), 39%% (pinned), 25 pupal and larval exuviae (alcohol), Costa Rica; 1% (slide), Venezuela; 3%%, 3&& (slides), 4 larval exuviae, 5 pupal exuviae (slides), 124%%, 84&& (alcohol), 98 pupal exuviae (alcohol), 65%%, 40&& (pinned), Ecuador.
Remarks: The collection date on the label of the holotype is 20.II.1980, not 20.IX.1980 as published in the original description.
- Stenochironomus (Petalopholeus) pectinatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 106. BRAZIL.
Paratypes: 6%%, 6&& (pinned), 2%%, 1& (slides), Brazil, CNC No. 17759.
- Stenochironomus (Petalopholeus) quadrinotatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 114. COSTA RICA.
Holotype % (slide): *Stenochironomus quadrinotatus* Borkent, CNC No. 17764, HOLOTYPE, Loc: Pto. Viejo - La Selva, Heredia, Costa Rica, Date: 20.II.1980, Coll: D.M. Wood, Det: CH 9089/HOLOTYPE.
Allotype & (slide): Same data as holotype except CH 9089-R-14.III.80.
Paratypes: 7%%, 2&& (slides), 9 larval exuviae, 8 pupal exuviae (slides), 16%% (pinned), Costa Rica; 2%%, 2&& (slides), 3 larval exuviae, 3 pupal exuviae (slides), Ecuador.
Remarks: The date of collection of the holotype is 20.II.1980, not 20.IX.1980 as published in the original description.
- Stenochironomus (Petalopholeus) townesi* Borkent, 1984, Mem. ent. Soc. Can. 128: 98. VENEZUELA.
Holotype % (slide): *Stenochironomus townesi* Borkent, CNC No. 17756, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 M. Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
- Stenochironomus (Petalopholeus) triannulatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 113. BRAZIL.
Paratypes: 1%, 1& (slides), Brazil, CNC No. 17763.
- Stenochironomus (Petalopholeus) vatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 111. BRAZIL.
Paratype: 1% (slide), Brazil, CNC No. 17762.
- Stenochironomus (Stenochironomus) albipalpus* Borkent, 1984, Mem. ent. Soc. Can. 128: 66. USA.
Holotype % (slide): *Stenochironomus albipalpus* Borkent, CNC No. 17751, Holotype, Loc: 3 mi. S. Rockville, Maryland, Date: 21.III.1980, Coll: D.M. Wood, Det: CH 9095-R-22.IV.1980/HOLOTYPE.
Allotype & (slide): Same data as holotype.
Paratypes: 7%%, 2&& (slides), 10 larvae (slides), 10 pupal exuviae (slides), 3 larvae, 6 pupal exuviae (alcohol), 11%%, 2&& (pinned), Maryland.
- Stenochironomus (Stenochironomus) annettae* Borkent, 1984, Mem. ent. Soc. Can. 128: 54. USA.
Holotype % (slide): *Stenochironomus annettae* Borkent, CNC No. 17745 Holotype, Loc: San Felipe Springs, Del Rio, Texas, Date: 1.IV.1981, Det: Coll: A. Borkent, CH 9205-R-17-19.V.81/HOLOTYPE.
Allotype & (slide): Same data as holotype except CH 9212-R-4.VI.81.
Paratypes: 4%%, 1& (slides), 7 pupal exuviae, 2 larval exuviae (slides), 4 pupal exuviae (alcohol), 3%% (pinned), Texas.
- Stenochironomus (Stenochironomus) balteatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 77. JAPAN.
Paratypes: 1%, 1& (slides), Japan, CNC No. 17753.
- Stenochironomus (Stenochironomus) bisetosus* Borkent, 1984, Mem. ent. Soc. Can. 128: 61. USA.
Holotype % (slide): *Stenochironomus bisetosus* Borkent, CNC No. 17748, Holotype Loc: Oak Creek Canyon, Sedona, Arizona, Date: 15.IV.1981, Det: Coll: A. Borkent, CH 9212-R-16.VI.81/HOLOTYPE.
Allotype & (slide): Same data as holotype except CH 9212-R-24-25.V.81.
Paratypes: 3%%, 7&& (slides), 16 larvae, 5 larval exuviae (slides), 13 pupal exuviae (slides), 3 pupae, 17 pupal exuviae (alcohol), 1%, 15&& (pinned), Arizona.
Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.
- Stenochironomus (Stenochironomus) crusanticus* Borkent, 1984, Mem. ent. Soc. Can. 128: 56. ECUADOR.
Holotype % (slides with pupal exuviae mounted on a separate microscope slide): *Stenochironomus crusanticus* Borkent, CNC No. 17746, Loc: ECUADOR, 5 km. N. Tena, Date: 13.II.1982, Det: A. Borkent, Coll: Borkent & Wood/HOLOTYPE.
Allotype & (slides with larval and pupal exuviae mounted on separate microscope slides): Same data as holotype.
Paratypes: 1%, 2&& (slides), 2 pupal exuviae (slides), Ecuador.

- Stenochironomus (Stenochironomus) discus* Borkent, 1984, Mem. ent. Soc. Can. 128: 98. VENEZUELA.
Holotype % (slide): *Stenochironomus discus* Borkent, HOLOTYPE, CNC No. 17757, Yacambu Nat. Pk., Lara, Venezuela, 1200 m, 10.V.1981, Coll. H. Townes, malaise trap/ HOLOTYPE.
- Stenochironomus (Stenochironomus) fuscipatellus* Borkent, 1984, Mem. ent. Soc. Can. 128: 64. CANADA.
Holotype % (slide): *Stenochironomus fuscipatellus* Borkent, CNC No. 17750, HOLOTYPE, Loc: Silver Lake, B.C., 8 km S. Hope, Date: 21.VII.1980, Coll: A. Borkent, Det: CH 9165-R-29.VII.80/ HOLOTYPE.
Allotype & (slide): Same data as holotype except CH 9165.
Paratypes: 11%%, 7&& (slides), 10 larvae, 2 larval exuviae, 22 pupal exuviae (alcohol), 5 pupal exuviae (slides), 11%%, 14&& (pinned), British Columbia; 6%% (slides), 5 larvae, 7 pupal exuviae (slides), 1% 1& (alcohol), 22 pupal exuviae (alcohol) 17%%, 2&& (pinned), Oregon (USA).
Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.
- Stenochironomus (Stenochironomus) maculatus* Borkent, 1984, Mem. ent. Soc. Can. 128: 52. USA.
Holotype % (slide): *Stenochironomus maculatus* Borkent, CNC No. 17744, Holotype, Loc: Black River at Hwy. 258, Eddy Co., New Mexico, Date: 2.IV.1981, Det: Coll: A. Borkent, CH 9206-R-27.V.81/HOLOTYPE.
Allotype & (slide): Same data as holotype except CH 9206-R-2.VI.81.
Paratypes: 3%%, 1& (slides), 2%%, 2&& (pinned), 6 larvae (slides), 11 pupal exuviae (slides), 2 larvae, 1 pupae, 2 pupal exuviae (alcohol), New Mexico; 2&& (slides), 4 larvae (slides), 3 pupal exuviae (slide), 7%%, 34&& (pinned), 16 larvae (alcohol), 25 pupal exuviae (alcohol) Texas.
Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.
- Stenochironomus (Stenochironomus) pannus* Borkent, 1984, Mem. ent. Soc. Can. 128: 76. JAPAN.
Paratype: 1% (slide), Japan, CNC No. 17752.
- Stenochironomus (Stenochironomus) woodi* Borkent, 1984, Mem. ent. Soc. Can. 128: 91. CANADA.
Holotype % (slide): *Stenochironomus woodi* Borkent, HOLOTYPE, CNC No. 17754, Loc: St. Hippolyte, P. Que., Univ. Mont. Field Sta., Date: 2.VI.1973, Coll: L. Cloutier, Det: CH/HOLOTYPE.
Allotype & (slide): Same data as holotype except 9.VI.1973.
Paratypes: 1% (slide), Newfoundland; 2%%, 3&& (slides), New Brunswick; 1% (pinned), Nova Scotia; 5%%, 5&& (slides), 4%% (alcohol), 27%%, 3&& (pinned), Quebec.
- Stempellina leptocelloides* Webb, 1969, J. Kans. ent. Soc. 42(1): 94. CANADA.
Paratypes: 1% 2&& (alcohol), Ontario, CNC No. 11938.
- Stempellina ranota* Webb, 1969, J. Kans. ent. Soc. 42(1): 96. CANADA.
Paratypes: 1% 1& (alcohol), Ontario, CNC No. 11939.
- Stempellina rodesta* Webb, 1969, J. Kans. ent. Soc. 42(1): 95. CANADA.
Paratypes: 1% 1& (alcohol), Ontario, CNC No. 11940.
- Stilocladius clinopecten* Saether, 1982, Ent. scand. 13: 494. USA.
Paratype: 1% (slide), South Carolina, CNC No. 18598.
- Syncricotopus fontinalis* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 77. CANADA.
Holotype % (slide): HOLOTYPE Slide No. Spring at the bog, The Pas Man., 5.VII.67., Leg. O.A.S., A.L.H., Det. O.A. Saether, Can. Nat. Coll. Type No. 9986, *Syncricotopus fontinalis* O.A. Saether/044.
- Tanypus abrupta* Garrett, 1925, Seventy new Diptera p. 8. CANADA.
Holotype & (pinned): Fort Steele, B.C., 17.VIII./ Holotype *Tanypus abrupta* & C. Garrett, C.B.D. Garrett/CNC No. 7924.
- Tanypus alaskensis* Malloch, 1919, Report of the Canadian Arctic Expedition, 1913-18, Pt. C. 3: 35. USA.
Syntypes: 1% (slide), 4%% (pinned), CNC No. 242.
"% (slide) W. of Kangengevik, Camden Bay, Alaska, July 14/Canadian Arctic Expedition, F.J., 1914/TYPE *Tanypus alaskensis* Mall., CNC No. 242".
"4%% (pinned) W. of Kangengevik, Camden Bay, Alaska, July 4/Canadian Arctic Expedition F.J., 1914/PARATYPE *Tanypus alaskensis* Mall., No. 242".
- Tanypus apicalis* Walley, 1926, Can. Ent. 58: 64. CANADA.
Holotype & (pinned): Aylmer, Que., 31.VII.1924, C.H. Curran/HOLOTYPE *Tanypus apicalis* Walley, CNC No. 1748.
Paratype: 1& (pinned), Quebec; 1& (pinned), Ontario.
- Tanypus arcuata* Garrett, 1925, Seventy new Diptera, p. 7. CANADA.
Syntypes: 3&& (pinned), CNC No. 7922.
"1&, Cranbrook, B.C. 12.V/Holotype *Tanypus arcuata* & C. Garrett, C.B.D. Garrett".
"2&&, Cranbrook, B.C., 12.V. and 10.V./Paratype *Tanypus arcuata* & C. Garrett, C.B.D. Garrett".
- Tanypus basalis* Walley, 1925, Can. Ent. 57: 273. CANADA.
Holotype % (pinned): Ottawa, Ont., 26.VII.1924, C.H. Curran/SLIDE Chir. No. 16/ HOLOTYPE *Tanypus basalis* Walley, CNC No. 1449.
Paratype: 1% (pinned), Quebec.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 16.
- Tanypus bifida* Garrett, 1925, Seventy new Diptera, p. 8. CANADA.
Syntypes: 3&& (pinned), CNC No. 7925.
"1&, Cranbrook, B.C., 25.VI./Holotype *Tanypus bifida* & C. Garrett, C.B.D. Garrett".
"1&, Cranbrook, B.C., 25.VI./Paratype *Tanypus bifida* & C. Garrett, C.B.D. Garrett".

"1&, Cranbrook, B.C. 25.VI.21/C. Garrett, Collector/5190/Paratype *Tanypus bifida* & C. Garrett, C.B.D. Garrett".

Tanypus cornuticaudatus Walley, 1925, Can. Ent. 57: 277. CANADA.

Holotype % (pinned): O. Golf Club, Que., 31.VII.1924, G.S. Walley/Holotype *Tanypus cornuticaudatus* Walley, CNC No. 1454.
Allotype & (pinned): Ottawa, Ont., 26.VII.1924, C.H. Curran/ALLOTYPE *Tanypus cornuticaudatus* Walley, CNC No. 1454.
Paratypes: 1& (pinned), Quebec; 10%%, 6&& (pinned), Ontario.

Tanypus currani Walley, 1925, Can. Ent. 57: 276. CANADA.

Holotype % (pinned): Aylmer, Que., 8.VIII.1924, C.H. Curran/SLIDE Chir. No. 12/HOLOTYPE *Tanypus currani* Walley, CNC No. 1452.
Allotype & (pinned): Same data as holotype.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 12.

Tanypus fragilis Walley, 1926, Can. Ent. 58: 205. CANADA.

Holotype % (pinned): Ingersoll, Ont., 8.IX.1924, F.G. Walley/HOLOTYPE *Tanypus fragilis* Walley, CNC No. 2201.
Remarks: The terminalia of the holotype is mounted on a microscope slide.

Tanypus garretti Walley, 1925, Can. Ent. 57: 275. CANADA.

Holotype % (pinned): Oliver, B.C., 26.IV.1923, C.B. Garrett/SLIDE Chir. No. 7/HOLOTYPE *Tanypus garretti* Walley, CNC No. 1450.
Remarks: The terminalia of the holotype is mounted on microscope slide No. 7.

Tanypus ideii Walley, 1925, Can. Ent. 57: 272. CANADA.

Holotype % (slide): Ottawa, Ont., 1.VIII.1924, F.P. Ide/HOLOTYPE % *Tanypus ideii* Walley, CNC No. 1447/Lab. No. *Tanypus ideii* Walley, Chir 4, Date, Entomological Branch Ottawa, Canada, Type No. 1447.
Remarks: One leg of holotype is mounted on a separate slide, labeled Leg % Holotype T. *ideii* Walley Chir. 4.

Tanypus illinoensis Malloch, 1915, Bull. Ill. St. Lab. nat.

Hist. 10(6): 376. USA.
Paralectotypes: 1%, 1& (pinned) (no locality data only Nos. 13721, 13819), CNC No. 1540.
Remarks: For lectotype designation see Frison (1927, p. 177).

Tanypus inconspicuus Malloch, 1915, Bull. Ill. St. Lab. nat.

Hist. 10(6): 371. USA.
Paralectotypes: 1%, 1& (pinned), Illinois, CNC No. 1541.
Remarks: For lectotype designation see Frison (1927, p. 177).

Tanypus mallochi Walley, 1925, Can. Ent. 57: 273. CANADA.

Holotype % (pinned): Ottawa, Ont., 31.VII.1924, C.H. Curran/SLIDE Chir. No. 3/HOLOTYPE *Tanypus mallochi* Walley, CNC No. 1448.
Allotype & (pinned): Same data as holotype.
Paratypes: 3%%, 5&& (pinned), Quebec; 5%%, 4&& (pinned), Ontario.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 3.

Tanypus okoboiji Walley, 1928, Ann. ent. Soc. Am. 21: 582. USA.

Holotype % (slide): HOLOTYPE, Slide No., L. Okoboiji, Iowa, 18.V.28, G.S. Walley, Can. Nat. Coll. Type No. 2869, *Tanypus okoboiji* Walley.

Tanypus peleensis Walley, 1926, Can. Ent. 58: 64. CANADA.

Holotype % (pinned): Pt. Pelee, Ont., 10.VI.1925, G.S. Walley/Holotype *Tanypus peleensis* Walley, CNC No. 1749.
Allotype & (pinned): Same data as holotype.
Paratypes: 45%%, 5&& (pinned), 1% (slide), Ontario.

Tanypus pilicaudatus Walley, 1925, Can. Ent. 57: 277. CANADA.

Holotype % (pinned): Ottawa, Ont., 1.VIII.1924, F.P. Ide/HOLOTYPE *Tanypus pilicaudatus* Walley, CNC No. 1455.
Paratypes: 3%% (pinned), Ontario.

Tanypus prudens Walley, 1925, Can. Ent. 57: 275. CANADA.

Holotype % (pinned): H.A. Robertson, Delta, Man., 3.VII.1921/SLIDE Chir No. 2/HOLOTYPE *Tanypus prudens* Walley, CNC No. 1451.
Allotype & (pinned): Aweme, Man., H.A. Robertson, 14.VI.1923/ALLOTYPE *Tanypus prudens* Walley, CNC No. 1451.
Paratypes: 2%% (pinned), Quebec.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 2.

Tanypus scapularis Loew, 1866, Berl. ent. Z. 10: 2. USA.

Syntype: 1& (pinned) CNC No. 2139.
"1&", (No locality data), PARATYPE *Tanypus scapularis* Loew, CNC No. 2139/Loew Coll./(red label) 10373/(white label) TYPE.

Tanypus senatus Walley, 1925, Can. Ent. 57: 276. CANADA.

Holotype % (slides): Lab. No., *Tanypus senatus* Walley, Chir 11 Date Entomological Branch Ottawa, Canada/TYPE CNC No. 1453 (no locality label).
Remarks: The holotype is mounted on 2 separate slides. One slide contains the legs; the other contains the terminalia. The number for this species in the CNC Type No. book is 1453, not 1452 as published in the original description.

Tanypus trifolia Garrett, 1925, Seventy new Diptera, p. 7. CANADA.

Holotype & (pinned): Cranbrook, B.C., 7.VI.21/C. Garrett, Collector/Holotype *Tanypus trifolia* & C. Garrett, C.B.D. Garrett/5196/CNC No. 7923.
Remarks: The abdomen is missing from the holotype.

Tanytarsus confusus Malloch, 1915, Bull. Ill. St. Lab. nat.

Hist. 10(6): 490. USA.
Paralectotype: 1& (pinned), Illinois, CNC No. 2697.
Remarks: For lectotype designation see Frison (1927, p. 178).

Tanytarsus dubius Malloch, 1915, Bull. Ill. St. Lab. nat. Hist.

10(6): 496. USA.
Paralectotypes: 1%, 1& (pinned), Illinois, CNC No. 2696.

- Remarks: For lectotype designation see Frison (1927, p. 178). The terminalia of the above male paralectotype are mounted on microscope slide No. 565-1103.
- Tanytarsus godavarensis* Reiss, 1971, *Ergebn. Forsch. Unternehmens Nepal Himalaya* 4(1): 145. NEPAL.
Holotype % (slide): HOLOTYPE/Tanytarsus godavarensis sp. n., 27.VII.1967, Godavari, Nepal, 5000', trap 18, Canad. Nepal Exped. det. F. Reiss 1970/Can. Nat. Coll. Type No. 11747.
- Tanytarsus panni* Reiss, 1971, *Ergebn. Forsch. Unternehmens Nepal Himalaya* 4(1): 147. NEPAL.
Holotype % (slide): HOLOTYPE/Tanytarsus panni sp. n., 26-31.V.1967, Canad. Nepal Exped. 27E57'N. 84E59'E, Mal. tr. 5, 10100', Vicinity of Katmandu, Nepal, det. F. Reiss 1970/Can. Nat. Coll. Type No. 11606.
- Tanytarsus politus* Malloch, 1915, *Bull. Ill. St. Lab. nat. Hist.* 10(6): 493. USA.
Paralectotype: 1% (pinned), Illinois, CNC No. 2695.
Remarks: For lectotype designation see Frison (1927, p. 179). The terminalia of the above paralectotype are mounted on microscope slide No. S65 1104.
- Tanytarsus tibialis* Webb, 1969, *J. Kans. ent. Soc.* 42(1): 100. CANADA.
Paratypes: 2%%, 2&& (alcohol), Ontario, CNC No. 11942.
- Tanytarsus trilobus* Webb, 1969, *J. Kans. ent. Soc.* 42(1): 99. CANADA.
Paratypes: 1%, 1& (alcohol), Ontario, CNC No. 11943.
- Tanytarsus (Endochironomus) subtendens* Townes, 1945, *Am. Midl. Nat.* 34(1): 65. USA.
Paratypes: 17%%, 4&& (pinned), Ontario (Canada); 1%, 6&& (pinned), Manitoba (Canada); 4&& (pinned), Saskatchewan (Canada); 1%, 1& (pinned), Alberta (Canada), CNC No. 5676.
Remarks: There is 1 additional slide labeled as a paratype but it is from a locality not mentioned in the original description.
- Tanytarsus (Stictochironomus) annulicrus* Townes, 1945, *Am. Midl. Nat.* 34(1): 83. USA.
Paratype: 1% (pinned), Ontario (Canada), CNC No. 5678.
- Tanytarsus (Stictochironomus) varius* Townes, 1945, *Am. Midl. Nat.* 34(1): 82. USA.
Paratypes: 3% (pinned), 1% (slide), Iowa, CNC No. 5679.
- Tanytarsus (Sublettea) coffmani* Roback, 1975, *Proc. Acad. nat. Sci. Philad.* 127(10): 72. CANADA.
Holotype % (slide): N. Sevole R., Northumb. Co., N.B., 1.VIII.1962, J. Marshall, CNC No. 19637/Tanytarsus (Sublettea) coffmani Roback, Holotype %
Allotype & (slide): Same data as holotype.
Paratypes: 11%%, 1& (slides), New Brunswick.
- Tanytarsus (Tanytarsus) allcis* Sublette, 1964, *Tulane Stud. Zool.* 11(4): 146. USA.
Paratypes: 2% (slides), Louisiana, CNC No. 9104.
- Tanytarsus (Tanytarsus) buckleyi* Sublette, 1964, *Tulane Stud. Zool.* 11(4): 143. USA.
Paratype: 1% (slide), Louisiana, CNC No. 10955.
- Tanytarsus (Tanytarsus) dendi* Sublette, 1964, *Tulane Stud. Zool.* 11(4): 141. USA.
Paratypes: 2% (slides), 2% (pinned), Iowa, CNC No. 10953.
- Tanytarsus (Tanytarsus) limneticus* Sublette, 1964, *Tulane Stud. Zool.* 11(4): 146. USA.
Paratypes: 2% (slides), Louisiana, CNC No. 10954.
- Tanytarsus (Tanytarsus) quadratus* Sublette, 1964, *Tulane Stud. Zool.* 11(4): 144. USA.
Paratypes: 2% (slides), Louisiana, CNC No. 9105.
- Tanytarsus (Tanytarsus) vittatus* Townes, 1945, *Am. Midl. Nat.* 34(1): 77. USA.
Paratypes: 2% (pinned), Quebec (Canada); 1% (pinned), Ontario (Canada), CNC No. 5677.
- Tanytarsus (Tanytarsus) xanthus* Sublette, 1964, *Tulane Stud. Zool.* 11(4): 142. USA.
Paratypes: 3% (slides), Louisiana, CNC No. 10957.
- Tanytarsus (Tribelos) ater* Townes, 1945, *Am. Midl. Nat.* 34(1): 68. USA.
Paratype: 1% (pinned), Quebec (Canada), CNC No. 5675.
Remarks: The terminalia of the paratype are mounted on microscope slide No. IV.2.42E.
- Tendipes (Chaetolabis) atroviridis* Townes, 1945, *Am. Midl. Nat.* 34(1): 114. USA.
Paratypes: 2% (slides), 4%, 2&& (pinned), Ontario (Canada), CNC No. 5671.
- Tendipes (Cryptochironomus) directus* Dendy & Sublette, 1959, *Ann. ent. Soc. Am.* 52(5): 514. USA.
Paratypes: 2% (slides), Louisiana, CNC No. 19631.
- Tendipes (Tendipes) atrella* Townes, 1945, *Am. Midl. Nat.* 34(1): 124. USA.
Paratypes: 26%%, 1& (pinned); 1% (slide), Prince Edward Island (Canada); 2% (pinned), Manitoba (Canada); 2%, 1& Alberta (Canada), CNC No. 5674.
Remarks: There is one additional specimen labeled as a paratype but it is from a locality not mentioned in the original description.
- Thienemanniella sanctivincenta* Saether, 1982, *Ent. scand.* 13: 37. ST. VINCENT, BRITISH WEST INDIES.
Paratypes: 2% (slides), St. Vincent, CNC No. 16756.
- Thienemanniella semifimbriata* Saether, 1982, *Ent. scand.* 13: 32. ST. VINCENT, BRITISH WEST INDIES.
Paratype: 1& pupa (slide), St. Vincent, CNC No. 16771.
- Trichocladius distinctus* Malloch, 1915, *Bull. Ill. St. Lab. nat. Hist.* 10(6): 518. USA.
Paralectotype: 1%, 1& (pinned), Illinois, CNC No. 2699.
Remarks: For lectotype designation see Frison (1927, p. 174). The terminalia of the above male paralectotype are mounted on microscope slide No. 565-1106.

- Trichocladus distinctus* n. var. *basalis* Malloch, 1915, Bull. Ill. St. Lab. nat. Hist. 10(6): 519. USA.
Paralectotype: 1%, 1& (pinned), Illinois, CNC No. 2698.
Remarks: For lectotype designation see Frison (1927, p. 174). The terminalia of the above male paralectotype are mounted on microscope slide No. 565-1.
- Trichotanypus hanseni* Wirth & Sublette, 1970, J. Kans. ent. Soc. 43(4): 347. USA.
Paratypes: 3%%, 2&& (slides), 1 pupal exuviae (slide), Wyoming, CNC No. 12017.
- Trissocladius hamiltoni* Saether, 1969, Bull. Fish. Res. Bd Can. 170: 42. CANADA.
Holotype % (slide, with larval and pupal exuviae): HOLOTYPE, Slide No. M.1.1. reared, Falcon L., Manitoba, Depth 0.6 m, near shore, sandy, 16.IV.-26.IV.1967, Leg A. Hamilton, Det. O.A.S., Can. Nat. Coll. Type No. 9977, *Trissocladius hamiltoni* O.A. Saether = *Hydrobaenus johannsoni* 124.21.23/127.22.
Paratype: 1% (slide, with larval and pupal exuviae), Ontario.
- Trissocladius tricornis* Oliver, 1976, Can. Ent. 108: 1055. CANADA.
Holotype % (slide, with pupal and larvae exuviae): HOLOTYPE, Slide No. D.R.O. 52.26.2, Char L., Resolute, Cornwallis I., N.W.T., 19.VII.68, D.R. Oliver, Can. Nat. Coll. Type No. 12690, *Trissocladius tricornis* Oliver.
Paratypes: 67%%, 24&& (slides), 9 larvae (slides), 16%%, 3&& (alcohol), 7 pupae (alcohol), Northwest Territories; 14%%, 8&& (slides), 9%%, 3&& (alcohol), Greenland.
- Unniella multivirga* Saether, 1982, Ent. scand. 13: 503. USA.
Paratype: 1% (slide), South Carolina, CNC No. 18603.
- Virgatanytarsus ansatus* Reiss & Schurch, 1984, Spixiana 7(3): 319. GERMANY.
Paratype: 1% (slide), Germany, CNC No. 18427.
- Xenochironomus scopula* Townes, 1945, Am. Midl. Nat. 34(1): 93. CANADA.
Paratypes: 1% (pinned), Quebec; 4% (pinned), Ontario; 1% (pinned), Manitoba; CNC No. 5680.
Remarks: There is one additional specimen labeled as a paratype but it is from a locality not mentioned in the original description.
- Xestochironomus bulbosus* Borkent, 1984, Mem. ent. Soc. Can. 128: 27. VENEZUELA.
Holotype % (slide): *Xestochironomus bulbosus* Borkent, CNC No. 17740, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 m, Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Allotype & (slide): Same data as holotype.
Paratypes: 7&& (slides), Venezuela.
- Xestochironomus brunneus* Borkent, 1984, Mem. ent. Soc. Can. 128: 28. USA.
Holotype % (slide): *Xestochironomus brunneus* Borkent, CNC No. 17742, Holotype, Loc: Pecos River, at Hwy. 70, New Mexico, Date: 4.IV.1981, Det: Coll: A. Borkent, CH 9207-R-26.V.81/HOLOTYPE.
- Allotype & (slide): Same data as holotype except CH 9207-R-14-15.VI.81.
Paratypes: 3%%, 4&& (slides), 7 larval exuviae, 7 pupal exuviae (slides), 2% (alcohol), 47%%, 5&& (pinned), 2 larvae, 10 pupal exuviae, 7 larval exuviae (alcohol), New Mexico; 1& (slide), 2 pupal exuviae (alcohol), Texas.
Remarks: The slides containing the larval and pupal exuviae of the holotype and allotype are not present in the CNC slide collection at this time.
- Xestochironomus comptus* Sublette & Wirth, 1972, Fla Ent. 55(1): 9. JAMAICA.
Paratype: 1% (slide), Jamaica, CNC No. 17976.
- Xestochironomus gilvus* Borkent, 1984, Mem. ent. Soc. Can. 128: 27. VENEZUELA.
Holotype % (slide): *Xestochironomus gilvus* Borkent, CNC No. 17741, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 M. Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Paratype: 1% (slide), Venezuela.
- Xestochironomus latilobus* Borkent, 1984, Mem. ent. Soc. Can. 128: 29. VENEZUELA.
Holotype % (slide): *Xestochironomus latilobus* Borkent, CNC No. 17743, Holotype, Loc: Yacambu Nat. Pk., Lara, Venezuela, 1200 m. Date: 10.V.1981, Det: Coll: H. Townes, CH malaise trap/HOLOTYPE.
Allotype & (slide): Same data as holotype.
Paratype: 1& (slide), Venezuela.
- Xestochironomus luteifurcatus* Sublette & Wirth, 1972, Fla Ent. 55(1): 14. DOMINICA.
Paratypes: 4% (slides), Dominica, West Indies, CNC No. 17975.
- Xestochironomus subletti* Borkent, 1984, Mem. ent. Soc. Can. 128: 25. USA.
Holotype % (slide): *Xestochironomus subletti* Borkent, CNC No. 17739, Holotype, Loc: Las Moras Creek, Fort Clark Springs, Texas, Date: 1.IV.1981, Det: A. Borkent, Coll: A. Borkent, CH/HOLOTYPE.
Allotype & (slide): Same data as holotype.
Paratypes: 4%%, 5&& (slides), 2 larval exuviae, 6 pupal exuviae (slides), 1%, 1& (alcohol), 25 larvae, 30 pupal exuviae (alcohol), 115%%, 97&& (pinned), Texas; 1% (slide), 4 pupal exuviae (slide), New Mexico.
Remarks: There are 4 pupal exuviae mounted on a microscope slide and labeled as paratypes but they are from a locality not mentioned in the original description. The larval and pupal exuviae of the holotype are not present in the CNC at this time.
- Xylotopus burmanensis* Oliver, 1985, Can. Ent. 117: 1103. BURMA.
Paratypes: 1%, 2&& (slides), Burma, CNC No. 18743.
- Zalutschia briani* Sponis, 1979, Ent. scand. Suppl. 10: 125. USA.
Paratype: 1% (slide), Florida, CNC No. 19625.
- Zalutschia furcarca* Saether, 1976, Bull. Fish. Res. Bd Can. 195: 217. CANADA.
Holotype % (slide): HOLOTYPE' Slide No. 22, Lake Shore, Clyde, Baffin Is., N.W.T., Leg.

G.E. Shewell, 25.VII.58, Can. Nat. Coll. Type No. 13486, *Zalutschia furcarca* O.A. Saether.
Paratype: 1% (slide), Northwest Territories.

Zalutschia lingulata lingulata subsp. n. Saether, 1976, Bull. Fish. Res. Bd Can. 195: 223. CANADA.

Holotype % (slide): HOLOTYPE Slide No., CH 203-12, Swarming, cedars, Otter Lake, Ontario, 6.V.1971, Leg. A.R. Sponis, Can. Nat. Coll. Type No. 13488, *Zalutschia lingulata* O.A. Saether.

Allotype & (slide): Same data as holotype except Slide No. CH 203-10.

Paratypes: 6%%, 5&& (slides), 163%%, 71&& (alcohol), Ontario; 4%%, 1& (slides), Quebec.

Remarks: There is one additional specimen labeled as a paratype but it is from a locality not mentioned in the original description.

Zalutschia lingulata pauca subsp. n. Saether, 1976, Bull. Fish. Res. Bd Can. 195: 228. CANADA.

Holotype % (slide): HOLOTYPE Slide No. 2, Marion L., B.C., near XI Leg. A.L. Hamilton, 10.IV.1965, Can. Nat. Coll. Type No. 13489, *Zalutschia lingulata pauca* O.A. Saether.

Allotype & (slide): Same data as holotype except Slide No. 3.

Paratypes: 1 pupa, 1 larva (slides), British Columbia.

Zalutschia pusa Saether, 1976, Bull. Fish. Res. Bd Can. 195: 234. CANADA.

Holotype & (slide, reared from larvae): HOLOTYPE, Slide No., Depth 0.2 m. ditch with Chara bottom, Whiteshell Prov. Park, Manitoba, 16-25.IV.67, Leg. A.L. Hamilton, Can. Nat. Coll. Type No. 13490, *Zalutschia pusa* O.A. Saether/121.6.

Zalutschia trigonacis Saether, 1976, Bull. Fish. Res. Bd Can. 195: 242. CANADA.

Holotype % (slide): HOLOTYPE Slide No. 118, Hazen Camp, Ellesmere Is., N.W.T., Leg. D.R. Oliver, 21.VII.1961, Slide by L. Forester, 3.XII.62, Can. Nat. Coll. Type No. 13491, *Zalutschia trigonacis*, O.A. Saether.

Allotype & (Slide): Same data as holotype, except slide No. 52, Hazen Camp, NE 94.

Paratypes: 6%%, 2&& (slides), 1% 2&& with pupal exuviae (slides), 1 pupa (slide), 2%% pupae and larvae (slides), Northwest Territories.

Zalutschia vockerothi Saether, 1976, Bull. Fish. Res. Bd Can. 195: 219. CANADA.

Holotype % (slide, with pupal exuviae): HOLOTYPE, Slide No. 8, Old Chelsea, Quebec, Ex. 58 MPE, 25.IV.1958, Leg. J.R. Vockeroth, Can. Nat. Coll. Type No. 13487, *Zalutschia vockerothi* O.A. Saether.

CULICIDAE

Aedes hewitti Hearle, 1923, Can. Ent. 55: 5. CANADA.

Holotype &: Yale, B.C., 8.VIII.1920, No. 13042a, Eric Hearle/&/Holotype *Aedes hewitti* Hearle, CNC No. 521/Allotype *Aedes hewitti* Hearle, CNC No. 521/*Aedes mutatus* Dyar.

Paratypes: 2&&, British Columbia.

Remarks: The holotype in the CNC was in error labeled as the allotype. Since it is a & and agrees with Hearle's published data for the

holotype, I have added a holotype label in addition to the allotype label. It is not known where the allotype is deposited at this time.

Aedes pacificensis Hearle, 1927, Can. Ent. 59: 101. CANADA.

Holotype %: Discovery Island, B.C., 12.IV.1920, W.B. Anderson/Holotype *Aedes pacificensis* Hearle, CNC No. 2501/genitalia slide 120/Holotype % *Aedes pacificensis* new species.

Allotype &: Same data as holotype.

Paratypes: 2%%, British Columbia.

Remarks: The holotype (slide No. 120) and one paratype have their terminalia mounted on a microscope slide. On the allotype slide there are two wings mounted: one labeled A, of *Aedes pacificensis*, and another labeled B, of *Aedes cataphylla*. The holotype has the apical portion of the right wing missing.

Aedes pionips Dyar, 1919, Insector Inscit. menstr. 7: 19. CANADA.

Syntype: 1 &, White River, Ont., June 23 1918/B No. 2/H.G. Dyar coll./Paratype No. 1146/Type No. 21922 U.S.N.M./*Aedes pionips* Dyar & cotype/Syntype *Aedes pionips* Dyar, CNC No. 1146.

Aedes simici Baranoff, 1927, Neue Beitr. syst. Insektenk. 4(1-2): 15. YUGOSLAVIA.

Lectotype %: Skoplje, 19.VI.927/Cotypus *Aedes simici* Baranov/Lectotype *Aedes simici* Bar., designated by B.V. Peterson May, 1971, CNC No. 11973.

Remarks: For lectotype designation see Peterson (1971, p. 1199).

Aedes (Ochlerotatus) churchillensis Ellis & Brust, 1973, Can. J. Zool. 51(9): 922. CANADA.

Holotype &: Churchill, Man., 15.VI.1970, Pool No. 17, Coll. R.A. Ellis/Holotype *Aedes (Ochl.) churchillensis*, Ellis & Brust, CNC No. 12955/Holotype CNC No. 12955.

Paratypes: 12%%, 13&&, 10 larvae (slides), Manitoba.

Remarks: One paratype has the head stored in a glass microvial pinned with specimen.

Aedes (Ochlerotatus) implicatus Vockeroth, 1954, Can. Ent. 86: 110. CANADA.

Holotype % (slide with associated larvae & pupae): Rupert House, P.Q., 1949, D.P. Gray/B17/Holotype *Aedes implicatus* Vock., No. 6031/Slide Coll. 20.XII.49B, J.R. Vockeroth.

Paratypes: 2%%, 8&& (slides with associated larvae & pupae), Quebec.

Remarks: One % paratype has the terminalia stored in a glass microvial, pinned with specimen.

Aedes (Ochlerotatus) nearcticus Dyar, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 32. CANADA.

Lectotype %: Bernard Harbour, N.W.T., July 19/Canadian Arctic Expedition, F.J. 1915/Lectotype *Aedes nearcticus* Dyar, Desig. by J.R.V. No. 1877/1391/Slide 872/Slide No. Cul/*Aedes nearcticus* Dyar % type.

Paralectotype: 1%, Northwest Territories.

Remarks: For lectotype designation see Vockeroth (1954, p. 110). The lectotype has the terminalia mounted on microscope slide No. 872.

Aedes (Ochlerotatus) pseudodiantaeus Smith, 1952, Bull.

Brooklyn ent. Soc. 47(1): 21. USA.

Paratypes: 1♂, Massachusetts; 3♀♀, 2♂♂,
Labrador (Canada).Remarks: One male paratype has the terminalia
stored in a glass microvial pinned with the
specimen.***Aedes (Ochlerotatus) rempeli*** Vockeroth, 1954, Can. Ent. 86:
112. CANADA.Holotype ♀: Great Whale R., Que., 23.VI.1949,
Jenkins & Knight/58-7/Holotype *Aedes*
rempeli Vock. No. 6032/Slide J.R.V. 2.X.52
No. A.

Paratype: 1♀, Northwest Territories.

Remarks: There are three slides associated with
the holotype. One contains the terminalia;
another has the larval and pupal exuviae; the
third contains the mid tarsus. The paratype
has the larva and pupal exuviae mounted on a
microscope slide. The paratype has the
terminalia stored in a glass microvial pinned
with specimen.***Culiseta minnesotae*** Barr, 1957, Proc. ent. Soc. Wash. 59(4):
163. USA.

Paratypes: 2♂♂, Minnesota, CNC No. 6694.

DIXIDAE

Dixa brevis Garrett, 1924, New American Dixidae, p. 6.
CANADA.Holotype ♀: Okanagan Falls, B.C. 23.IX. C.
Garrett/Slide 5305/Holotype *Dixa brevis*
Garrett, CNC No. 7941/Holotype *Dixa brevis*
♀ Garrett, C.B.D. Garrett.

Allotype &: Same data as holotype.

Paratypes: 4♀♀, British Columbia.

Remarks: The holotype has the terminalia
mounted on slide No. 5305. The paratypes
have their terminalia mounted on microscope
slide Nos. 2612, 2681, 5306 and 5325.***Dixa distincta*** Garrett, 1925, Sixty-one new Diptera, p. 12.
CANADA.Holotype ♀: Cranbrook, Mark Cr., B.C.
16.X.24/hypo 5521/Holotype *Dixa distincta*
Garrett, CNC No. 7945/*Dixa distincta* ♀,
Garrett, C.B.D. Garrett.Remarks: The holotype has the terminalia
mounted on microscope slide No. 5521.
There is an allotype plus four additional
males listed in the description, but these are
not present in the CNC. The locality of the
holotype slides is Cranbrook (St. Joseph
Creek), whereas that of the pinned specimen
is Cranbrook (Mark Cr.).***Dixa dorsalis*** Garrett, 1924, New American Dixidae, p. 4.
CANADA.Holotype ♀: Wasa, B.C., 23.X.23/C. Garrett
Collector/Slide 5311/Holotype *Dixa dorsalis*
Garrett, CNC No. 7936/Holotype *Dixa*
dorsalis ♀ Garrett, C.B.D. Garrett.

Allotype &: Same data as holotype.

Paratypes: 3♂♂, British Columbia.

Remarks: The holotype has the terminalia
mounted on microscope slide No. 5311.***Dixa dyari*** Garrett, 1924, New American Dixidae, p. 3.

CANADA.

Holotype ♀: Cranbrook, B.C., 25.VI.20/C. Garrett
Collector/Slide 5310/Holotype *Dixa dyari*
Garrett, CNC No. 7935/Holotype *Dixa dyari*
♀ Garrett, C.B.D. Garrett.Allotype &: Same data as holotype, except
26.VI.20 has one additional label that reads
T3S6.

Paratypes: 1♀, 2♂♂, British Columbia.

Remarks: The holotype has the terminalia
mounted on microscope slide No. 5310. Two
paratypes, a ♀, No. 4370, and a ♂, No. 4355,
have their abdomens mounted on microscope
slides; however, the ♀ slide No. 4370 is not
present in the CNC.***Dixa fluvica*** Peters, 1966, Misc. Publ. ent. Soc. Am. 5: 242.
USA.

Paratypes: 2♀♀, Quebec, CNC No. 17189.

Remarks: Both paratypes have the abdomens
stored in glass microvials pinned with their
respective specimens.***Dixa fraterna*** Garrett, 1924, New American Dixidae, p. 6.
CANADA.Holotype ♀: Bull River, B.C., Oct. 10/C. Garrett
Collector/Hypo 5313/Holotype *Dixa fraterna*
Garrett, CNC No. 7942/Holotype *Dixa*
fraterna ♀ Garrett, C.B.D. Garrett.Remarks: The holotype has the terminalia
mounted on microscope slide No. 5313.
There are two additional specimens labeled
as paratypes, but they are from localities not
published in the original description. Both
have genitalia mounted on microscope slide
Nos. 2625 and 2620.***Dixa johannseni*** Garrett, 1924, New American Dixidae, p. 7.
CANADA.Holotype ♀: Michel, B.C. 5200 ft. 21.IX./Wilson
Creek, N. Fork/C. Garrett Collector/Slide
hypo. 5347/Holotype *Dixa johannseni* Garrett,
CNC No. 7943/Holotype *Dixa johannseni* ♀
Garrett, C.B.D. Garrett.

Allotype &: Same data as holotype.

Paratypes: 1♀, Alberta; 2♀♀, British Columbia.

Remarks: The holotype has the terminalia
mounted on microscope slide No. 5347. Two
paratypes have the terminalia mounted on
microscope slide Nos. 2599 and 5312.
However, only slide 2599 is present in the
CNC. There are two additional specimens
from Marysville, B.C., 25 Sept and 12 July,
labeled as paratypes *Dixa* var. of *johannseni*
with slide Nos. 5295 and 5593, but these
slides are not present in the CNC.***Dixa lobatus*** Garrett, 1924, New American Dixidae, p. 6.
CANADA.Holotype ♀: Cranbrook, B.C., 20.VII/Hypo
5493/Holotype *Dixa lobatus* Garrett, CNC
No. 7939/Holotype *Dixa lobatus* ♀ Garrett,
C.B.D. Garrett.Allotype &: Fort Steele, B.C., 17.VII./Allotype
Dixa lobatus Garrett, CNC No. 7939/Allotype
Dixa lobatus & Garrett, C.B.D. Garrett.

Paratypes: 2♀♀, British Columbia.

Remarks: In the description, the holotype was
stated to have been collected on 30 June and
several paratypes were collected on 20 July.
The specimen Garrett labeled as holotype is
dated 20 July, which is the date of collection

of some of the paratypes. The two paratypes listed above have dates that differ from original description. The holotype has the terminalia mounted on microscope slide No. 5493. Both paratypes are labeled with slide Nos. 5487 and 2592; however, only slide 2592 is present in the CNC. There is an additional specimen labeled as a paratype by Garrett, but it is from a locality not mentioned in the original description.

- Dixa montanus*** Garrett, 1924, New American Dixidae, p. 5. CANADA.
 Holotype %: Cranbrook, B.C. 30.VI./Hypo 5488/Holotype *Dixa montanus* Garrett, CNC No. 7938/Holotype *Dixa montanus* % Garrett, C.B.D. Garrett.
 Allotype &: Same data as holotype except 8.VII.
 Remarks: The holotype has the terminalia mounted on microscope slide No. 5488. The allotype was stated to have been collected on 13 July; however, it is labeled with a date of 8 July.
- Dixa neoaliciae*** Garrett, 1924, New American Dixidae, p. 2. USA.
 Holotype %: Bozeman, Mont., September 3, 1912/hypo 5314/Holotype *Dixa neoaliciae* Garrett, CNC No. 7934/Holotype *Dixa neoaliciae* % Garrett, C.B.D. Garrett.
 Allotype &: Cranbrook, B.C. 26.VI.21/C. Garrett Collector/Allotype *Dixa neoaliciae* Garrett, CNC No. 7934/Allotype *Dixa neoaliciae* & Garrett, C.B.D. Garrett.
 Remarks: The holotype has the terminalia mounted on microscope slide No. 5314.
- Dixa occidentalis*** Garrett, 1924, New American Dixidae, p. 4. CANADA.
 Holotype %: Cranbrook, B.C. 15.VI./Hypo 5484/Holotype *Dixa occidentalis* Garrett, CNC No. 7937/Holotype *Dixa occidentalis* % Garrett, C.B.D. Garrett.
 Allotype &: Same data as holotype except 1.V.24.
 Paratype: 1&, British Columbia.
 Remarks: In the description, the holotype was stated to have been collected on 1 May, and a % paratype collected on 15 June. The specimen Garrett labeled as holotype is dated 15 June, which is the date of collection of the paratype. The paratype above has a date that differs from the original description. The holotype has the terminalia mounted on microscope slide No. 5484. In the heading preceding the description the specific name was misspelled *occidentails*.
- Dixa parvus*** Garrett, 1924, New American Dixidae, p. 6. CANADA.
 Holotype %: Wasa, B.C. 19.X.23/C. Garrett Collector/Hypo 5495/Holotype *Dixa parvus* Garrett, CNC No. 7944/Monotype *Dixa parvus* % Garrett, C.B.D. Garrett.
 Remarks: The holotype has the terminalia mounted on microscope slide No. 5495.
- Dixa plexipus*** Garrett, 1925, Seventy new Diptera, p. 5. CANADA.
 Holotype %: Nelson, B.C. 10.VI. C. Garrett/5302 hypo/Holotype *Dixa plexipus* Garrett, CNC No. 7947/Monotype *Dixa plexipus* % Garrett, C.B.D. Garrett.
 Remarks: The holotype has the abdomen mounted on microscope slide No. 5302. The generic

name was spelled *Dixia* in error in the heading preceding the description.

- Dixa rudis*** Garrett, 1924, New American Dixidae, p. 6. CANADA.
 Holotype %: Wasa, Tata Cr. 27.IX./C. Garrett Collector/Slide 5508/Holotype *Dixa rudis* Garrett, CNC No. 7940/Monotype *Dixa rudis* % Garrett, C.B.D. Garrett.
 Remarks: The holotype has the terminalia mounted on microscope slide No. 5508.
- Dixa serrata*** Garrett, 1924, New American Dixidae, p. 2. CANADA.
 Syntypes: 6%%, 3&&, British Columbia, CNC No. 7933.
 "1%": Oliver, B.C. 6.V. C. Garrett/Slide 5319/Holotype *Dixa serrata* % Garrett, C.B.D. Garrett/Syntype *Dixa serrata* Garrett CNC No. 7933.
 "5%": Oliver, B.C. 6.V. C. Garrett/Paratype *Dixa serrata* C.B.D. Garrett/Syntype *Dixa serrata* Garrett, CNC No. 7933.
 "3&&": Oliver, B.C. 6.V. C. Garrett/Paratype *Dixa serrata* C.B.D. Garrett/Syntype *Dixa serrata* Garrett, CNC No. 7933.
 Remarks: There appear to be two male specimens (one in the CNC the other in the USNM) both labeled as holotype and collected from Oliver, B.C. on 6 May (see Peters & Cook 1966, p. 262). Therefore all specimens of the type series should be considered syntypes. The specimen labeled as the holotype has the terminalia mounted on microscope slide No. 5319. Two of the paratypes have Nos. 5333 and 5339 indicating there should be slides, but there are no slides present in the CNC.
- Dixa simplex*** Garrett, 1925, Sixty-one new Diptera, p. 12. CANADA.
 Remarks: According to the description, the type series of *D. simplex* was from Cranbrook, B.C., June and October. Two specimens in the CNC, one labeled as holotype by Garrett, Wasa, B.C. 23.X.23 (slide 5331), the other labeled as paratype by Garrett, Wasa, B.C. 23.X.23 (slide 5341); were collected from a locality (Wasa, B.C.) not mentioned in the original description. Their status as types is therefore uncertain. Both slides for these specimens were originally labeled *Dixa spiralis* by Garrett, but he later stroked out the name *D. spiralis* and added *D. simplex*.
- Dixa spiralis*** Garrett, 1924, New American Dixidae, p. 1. CANADA.
 Syntypes: 8 %%, CNC No. 7932.
 "%": Wasa, B.C., 22.X.23/C. Garrett Collector/5332 hypo/Syntype *Dixa spiralis* Garrett/Holotype *Dixa spiralis* % Garrett, C.B.D. Garrett/Syntype *Dixa spiralis* Garrett, CNC No. 7932.
 "3 %%": Wasa, B.C., 23.X.23/C. Garrett Collector/Paratype *Dixa spiralis* % Garrett, C.B.D. Garrett/Syntype *Dixa spiralis* Garrett, CNC No. 7932.
 "%": Cranbrook, B.C., 2.VII.20/C. Garrett Collector/2618 hypo/Syntype *Dixa spiralis* Garrett/Paratype *Dixa spiralis* % C.B.D. Garrett.
 "%": Wasa, B.C., 21.X.23/C. Garrett Collector/Syntype *Dixa spiralis* Garrett.
 "%": Cranbrook, B.C., 21.X.24/5511/Syntype *Dixa spiralis* Garrett.

"%"; Wasa, B.C., 19.X.22/C. Garrett
Collector/5304 hypo/Paratype Dixia spiralis %
C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, all 139 specimens are syntypes. However, Garrett labeled one of the above specimens as the holotype. The specimen labeled as holotype has its terminalia mounted on microscope slide No. 5332.

MYCETOPHILIDAE

Acadia polypori Vockeroth, 1980, Can. Ent. 112: 534.
CANADA.

Holotype % Ludlow, N.B., 2.VI.1968, D.P.
Pielou, A171. Ex. Polyporus
betulinus/Holotype Acadia polypori
Vockeroth, CNC No. 16051.

Paratypes: 2 %, 1 &, New Brunswick.
Remarks: The apical portion of the abdomen and terminalia of all paratypes are in glass microvials, pinned with the respective specimen. The left wing of one male paratype is mounted on a microscope slide.

Acnemia falkei Matile & Vockeroth, 1977, Bull. Soc. ent. Fr. 82: 18. UGANDA.

Holotype % Entebbe, Uganda, 1.XII.1971, Mal. tr. H. Falke/Holotype Acnemia falkei Mat. & Vock., CNC No. 17071/Holotype Acnemia falkei Mat. & Vock.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial, pinned with the specimen.

Adicroneura biocellata Vockeroth, 1980, Can. Ent. 112: 536.
USA.

Holotype &: Wetmore Campground, Baker Co., Ore. 4500' 29.VI-5.VII.1965/Malaise trap
Mounted from alcohol/Holotype Adicroneura biocellata Vockeroth, CNC No. 16052/Idema illustration.

Remarks: The abdomen is missing from the holotype.

Aglaomyia gatineau Vockeroth, 1980, Can. Ent. 112: 537.
CANADA.

Holotype &: Duncan Lake, Nr. Rupert, Que., 10.VI.1971, J.F. McAlpine/Holotype
Aglaomyia gatineau Vockeroth, CNC No. 16053/Idema illustration.

Allodia sabroskyi Colless, 1966, Insects Micronesia 12(6): 659. CAROLINE IS.

Paratypes: 1% 1&, Palau Islands, CNC No. 17087.

Apemon rufa Van Duzee, 1928, Proc. Calif. Acad. Sci. Ser. 4, 17(2): 32. USA.

Paratype: 1%, California, CNC No. 17045.

Asindulum theodori Matile, 1974, Israel J. Ent. 9: 73.
ISRAEL.

Remarks: There is a specimen labeled as the allotype in the CNC, but it was designated in a later paper (Matile 1975, p. 500) and therefore has no type status.

Australosymmerus peruensis Munroe, 1974, Mem. ent. Soc. Can. 92: 64. PERU.

Holotype % Quincemil Cuzco, Peru, 1-15.XI.1962, L. Pena 700 m/Holotype
Australosymmerus peruensis D. Munroe, CNC No. 12978.

Paratypes: 3%%, Peru.

Remarks: Two paratypes have the apical portion of the abdomen and the terminalia stored in glass microvials pinned with the respective specimen. The left wing of the paratype is mounted on microscope slide No. DDM-A-18.

Australosymmerus (Araeostylus) collessi Munroe, 1974, Mem. ent. Soc. Can. 92: 57. CHILE.

Holotype % Contulmo, Palo Botado, Arauco, Chile, 2 Feb.1953, L. Pena/Holotype
Australosymmerus collessi D. Munroe, CNC No. 12971.

Allotype &: Rio Maniguales 72E30'W., 45E25'S. Aysen, Chile, 26-28.I.61 Pena/Wing on slide No. DDM-A-16/Allotype Australosymmerus collessi D. Munroe, CNC No. 12971.

Remarks: The abdomen of the holotype and allotype are each stored in a glass microvial that is pinned with the respective specimen. The left wing of allotype is mounted on microscope slide No. DDM-A-16.

Australosymmerus (Araeostylus) lobatus Munroe, 1974, Mem. ent. Soc. Can. 92: 56. CHILE.

Holotype % Puerto Cisnes, 72E40'W., 44E45'S., Aysen, Chile, 1-15.II.61, Pena/Holotype
Australosymmerus lobatus D. Munroe, CNC No. 12973.

Allotype &: Same data as holotype, except 16-28.II.61.

Paratypes: 1% 1&, Chile.

Remarks: The holotype and both paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial that is pinned with the respective specimen. The left wing of the female paratype is mounted on microscope slide No. DDM-A-4.

Australosymmerus (Calosymmerus) magnificus Munroe, 1974, Mem. ent. Soc. Can. 92: 72. MEXICO.

Holotype % San Cristobal, Chis. Mex., 7200' 25.VI.1969, Malaise Trap/Wing on slide DDM-A-22/Holotype Australosymmerus magnificus D. Munroe, CNC No. 12969.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial that is pinned with the specimen. The right wing is mounted on microscope slide No. DDM-A-22.

Australosymmerus (Crionisca) magellani Munroe, 1974, Mem. ent. Soc. Can. 92: 44. CHILE.

Holotype % Puerto Williams Isla. Navarino, T. del Fuego, Chile, 22-29.XI.60. Pena/Wing on slide DDM-A-24/Holotype Australosymmerus magellani D. Munroe, CNC No. 12975.

Remarks: The apical portion of the abdomen and terminalia are in a glass microvial pinned with the specimen. The left wing of the holotype is mounted on microscope slide No. DDM-A-24.

Australosymmerus (Melosymmerus) acutus Munroe, 1974, Mem. ent. Soc. Can. 92: 68. MEXICO.

Holotype % 20 mi. N. Huixtla, Chis. Mex., 4-VI-1969, H.J. Teskey/Wing on slide

- DDM-A-21/Holotype *Australosymmerus acutus* D. Munroe, CNC No. 12968.
Allotype &: Same data as holotype.
Remarks: The holotype and allotype have the apical portion of the abdomen and terminalia stored in glass microvials pinned with the respective specimens. The left wing of the holotype is mounted on microscope slide No. DDM-A-21.
- Australosymmerus (Melosymmerus) minutus* Munroe, 1974, Mem. ent. Soc. Can. 92: 68. ECUADOR.
Holotype %: Pompeya, Napo R., Pastaza, Ecuad. 14-22.V.1965, L. Pena/Holotype
Australosymmerus minutus D. Munroe, CNC No. 12976.
Paratype: 1% Ecuador.
Remarks: The holotype and paratype have the apical portion of the abdomen stored in glass microvials and pinned with the respective specimen. The left wing of the paratype is mounted on microscope slide No. DMM-A-20.
- Australosymmerus (Melosymmerus) truncatus* Munroe, 1974, Mem. ent. Soc. Can. 92: 69. MEXICO.
Holotype %: Mex. Sin. 15 mi. W. El Palmito, 5000' 30 July 1964, W.R.M. Mason/Holotype
Australosymmerus truncatus D. Munroe, CNC No. 12970.
Paratypes: 10% Mexico.
Remarks: The apical portion of the abdomen and terminalia of seven of the paratypes are stored in glass microvials pinned with the respective specimen. One paratype has the left wing mounted on microscope slide No. DDM-A-12.
- Australosymmerus (Tantrus) montorum* Munroe, 1974, Mem. ent. Soc. Can. 92: 62. ECUADOR.
Holotype %: Azuay, Cerro Tinajillas, Ecuador, 18-21.III.1965, 3100 m., L. Pena/Holotype
Australosymmerus montorum, CNC No. 12977, D. Munroe.
Paratypes: 2% Ecuador.
Remarks: The apical portion of the abdomen and terminalia of the holotype and one paratype are stored in glass microvials pinned with the respective specimen. One paratype has the right wing mounted on microscope slide DDM-A-9.
- Australosymmerus (Vellicocauda) confusus* Munroe, 1974, Mem. ent. Soc. Can. 92: 60. CHILE.
Holotype %: Pichinahuel, Chile, Cord. Nahuelbuta, 1400-1600 m. 37E50'S., 73E07'W., II. 12-20-1953, L.E. Pena/Holotype
Australosymmerus confusus D. Munroe, CNC No. 12972.
Paratype: 1% Chile.
Remarks: The apical portion of the abdomen and terminalia of the holotype and paratype are stored in glass microvials that are pinned with the respective specimen. The left wing of the paratype is mounted on microscope slide No. DDM-A-3.
- Australosymmerus (Vellicocauda) maculatus* Munroe, 1974, Mem. ent. Soc. Can. 92: 61. CHILE.
Holotype %: Rio Maniguales, 72E30'W., 45E25'S., Aysen, Chile 26-28.I.61 Pena/Holotype
Australosymmerus maculatus D. Munroe, CNC No. 12974.
Paratypes: 4% Chile.
- Remarks: Each paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the respective specimen. The left wing of one paratype is mounted on microscope slide No. DDM-A-6.
- Austrosynapha andina* Duret, 1977, Neotropica 23(69): 77. ECUADOR.
Holotype %: Troya, 2950 m. Carchi, Ecuador, 11-13.VI.1965 L.E. Pena/Holotipo/Holotype
Austrosynapha andina Duret, CNC No. 17072/C207/*Austrosynapha andina* sp.n. Det. J.P. Duret, 1977.
Remarks: The holotype has two microslide mounts on pin: No. C207a, of left wing, and No. C207b, of terminalia.
- Austrosynapha cuzquena* Duret, 1977, Neotropica 23(69): 79. PERU.
Holotype %: Quincemil Cuzco, Peru, 13-31.VIII.62, 780 m. L. Pena/ Holotipo/
Holotype *Austrosynapha cuzquena* Duret, CNC No. 17073/C240/ *Austrosynapha cuzquena* sp.n. Det. J.P. Duret, 1977.
Remarks: The holotype has two microslide mounts on pin: No. C240a of left wing, and No. C240b of terminalia.
- Austrosynapha penai* Duret, 1977, Neotropica 23(69): 75. CHILE.
Holotype %: Contulmo, Palo Botado, Arauco, Chile 2 Feb 1953, L. Pena/Holotipo/
Holotype *Austrosynapha penai* Duret, CNC No. 17074/C242/*Austrosynapha penai* sp.n. Det. J.P. Duret 1977.
Remarks: The holotype has two microslide mounts on pin: No. C242a, of left wing, and No. C242b, of terminalia.
- Austrosynapha peruana* Duret, 1977, Neotropica 23(69): 79. PERU.
Holotype %: Quincemil Cuzco, Peru, 1-15.XI.1962 700m., L. Pena/ Holotipo/
Holotype *Austrosynapha peruana* Duret, CNC No. 17075/C239/ *Austrosynapha peruana* sp.n. Det. J.P. Duret, 1977.
Remarks: The holotype has two microslide mounts on pin: No. C239a, of left wing, and No. C239b, of terminalia.
- Austrosynapha pseudoreducta* Duret, 1977, Neotropica 23(69): 76. ARGENTINA.
Paratypes: 19% Chile, CNC No. 17084.
Remarks: All paratypes have the microslide mounts of the terminalia on pin Nos. C332, C339, C340, C348, C353, C354, C357, C358, C359, C360, C361, C362, C490, C491, C493, C494, C497, C498, C499. Paratype C339a has the microslide mount of the left wing.
- Austrosynapha sergioi* Duret, 1977, Neotropica 23(69): 77. CHILE.
Holotype %: El Coigual Curico, Chile, 20-26.I.64. Pena/Holotipo/Holotype *Austrosynapha sergioi* Duret, CNC No. 17085/C235/
Austrosynapha sergioi sp.n. Det. J.P. Duret 1977.
Paratypes: 11% Chile.
Remarks: The holotype has the microslide mount of the terminalia on pin No. C235. All paratypes have the microslide mounts of terminalia on pin Nos. C199, C200, C201, C204, C219, C229, C231, C232, C233, C236 and C237. Paratype C201a has the microslide mount of the right wing.

- Austrosynapha vockerothi*** Duret, 1977, Neotropica 23(69): 80. PERU.
 Holotype ♀: Quincemil Cuzco, Peru, 13-31.VIII.62 780 m., L. Pena/ Holotipo/ Holotype *Austrosynapha vockerothi* Duret, CNC No. 17086/C238/ *Austrosynapha vockerothi* sp.n. Det. J.P. Duret 1977.
 Remarks: The holotype has two microslide mounts on pin: No. C238a, of left wing, and No. C238b, of terminalia.
- Aysenmyia patagonica*** Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 24. CHILE.
 Holotype ♀: Puerto Cisnes, 72E40'W., 44E45'S., Aysen, CHILE, 1-15.II.61 Pena/Holotype *Aysenmyia patagonica* Duret, CNC No. 19425/Holotypus/C226/*Aysenmyia* g.n. *patagonica* sp.n. J.P. Duret, Det. 1977.
 Paratype: 1♀, Chile.
 Remarks: The holotype has its head and terminalia mounted between two pieces of glass on separate mounts pinned with the specimen.
- Baeopterygyna nudipes*** Vockeroth, 1972, Can. Ent. 104: 1532. CANADA.
 Holotype ♀: Herschel I., Y.T., 22 July 1971, W.R.M. Mason/Holotype *Baeopterygyna nudipes* Vockeroth, CNC No. 12745/Mounted from alcohol.
 Paratypes: 25%♀, 2♂♂, Yukon Territory; 2%♀, Alaska (USA).
 Remarks: The apical portion of the abdomen and terminalia of each of two paratypes are stored in a glass microvial pinned with the respective specimen. The wing and haltere of one male and one female paratype are mounted on microscope slides: male No. 23a, female No. 23b.
- Boletina anticus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 165. CANADA.
 Syntypes: 2%♀, 3♂♂, CNC No. 7843.
 "♀"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N. Fork/C. Garrett Collector/Holotype *Boletina anticus* % C.B.D. Garrett.
 "♂"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Allotype *Boletina anticus* & C.B.D. Garrett.
 "♀"; Michel, B.C., 5200 ft, 21.IX./Wilson Creek, N.Fork/C. Garrett Collector/hypo 5222/Paratype *Boletina anticus* % C.B.D. Garrett.
 "♂"; Michel, B.C., 5200 ft., 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Paratype *Boletina anticus* & C.B.D. Garrett.
 "♂"; Michel, B.C., 27.IX./Wilson Creek/C. Garrett Collector/Paratype *Boletina anticus* & C.B.D. Garrett.
 Remarks: Since no holotype was indicated in the original description, all specimens in the type series are syntypes. However, Garrett labeled one of the above males as the holotype.
- Boletina antomus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 166. CANADA.
 Syntypes: 3%♀, 2♂♂, CNC No. 7844.
 "♀"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Holotype *Boletina antomus* % C.B.D. Garrett.
 "♂"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Allotype *Boletina antomus* & C.B.D. Garrett.
- "2%♀, 1♂"; Michel, B.C., 5200 ft, 24.IX./Wilson Creek, N.Fork/C. Garrett Collector/Paratype *Boletina antomus* C.B.D. Garrett.
 Remarks: Since no holotype was indicated in the original description, all nineteen specimens in the type series are syntypes (the location of fourteen of these is unknown). However, Garrett labeled one male as the holotype.
- Boletina astacus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 164. CANADA.
 Syntypes: 1♀, 1♂, CNC No. 7842.
 "♀"; Caulfields, B.C., 16.VI.17, 1711/hypo 4255/Holotype *Boletinus astacus* % C.B.D. Garrett.
 "♂"; Caulfields, B.C., 16.VI.17, 1705/ Allotype *Boletinus astacus* & C.B.D. Garrett.
 Remarks: Since no holotype was indicated in the description, all three specimens in the type series are syntypes. However, Garrett labeled the male as the holotype. This specimen has the terminalia mounted on microscope slide No. 4255.
- Boletina differens*** Garrett, 1924, Insecutor Inscit. menstr. 12: 168. CANADA.
 Holotype ♀: Fernie, B.C., 21.VII./C. Garrett Collector/Holotype *Boletina differens* Garrett, CNC No. 7847/Monotype *Boletina differens* Garrett, C.B.D. Garrett.
- Boletina jucunda*** Garrett, 1924, Insecutor Inscit. menstr. 12: 167. CANADA.
 Syntypes: 2%♀, CNC No. 7846.
 "♀"; Savary Id., [B.C.] 8.4.17, 327/hypo 5124/Holotype *Boletina jucunda* C.B.D. Garrett.
 "♀"; Savary Isle, B.C., 10.4.17, 544/Wing 2699/Paratype *Boletina jucunda* % C.B.D. Garrett.
 Remarks: Since no holotype was indicated in the original description, both specimens in the type series are syntypes. However, Garrett labeled one male as the holotype. This specimen has the terminalia mounted on microscope slide No. 5124. The specimen labeled as paratype has its right wing mounted on microscope slide No. 2699.
- Boletina magna*** Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.
 Holotype ♀: Fernie, B.C., 24.VII./C. Garrett Collector/Holotype *Boletina magna* Garrett, CNC No. 7854/Monotype *Boletina magna* Garrett, C.B.D. Garrett.
- Boletina montanus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 163. CANADA.
 Syntypes: 1♀, 3♂♂, CNC No. 7840.
 "♀"; Fernie, B.C., 23.VII./C. Garrett Collector/Holotype *Boletina montanus* % C.B.D. Garrett.
 "♂"; Fernie, B.C., 24.VII./C. Garrett Collector/Allotype *Boletina montanus* & C.B.D. Garrett.
 "2♂♂"; Fernie, B.C., 21.VII./C. Garrett Collector/Paratype *Boletina montanus* & C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, all six specimens in the type series are syntypes. However, Garrett labeled one male as the holotype.

Boletina punctus Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.

Holotype %: Creston, B.C., 4.VII./C. Garrett Collector/549Y/Holotype *Boletina punctus* Garrett, CNC No. 7853/Holotype *Boletina punctus* Garrett, C.B.D. Garrett.

Allotype &: Same data as holotype.

Paratypes: 13% 3&&, same data as holotype.

Remarks: The holotype has the terminalia mounted on microscope slide No. 549Y. Two paratypes have the terminalia mounted on microscope slide Nos. 5501, 5496.

Boletina shermani Garrett, 1924, Insector Inscit. menstr. 12: 166. CANADA.

Syntypes: 2% 5&&, CNC No. 7845.

"%"; Van., B.C., 6.5.17, 1146/Holotype

Boletina shermani % C.B.D. Garrett.

"&"; Stanley Park, B.C., 20.5.17,

1346/Allotype *Boletina shermani* & C.B.D. Garrett.

"%"; Capilano, B.C., 3.4.18/Hypo

4215/Paratype *Boletina shermani* % Short F. RM, C.B.D. Garrett.

"&"; Capilano, B.C., 12.5.17, 1214/Wing 5290/Paratype *Boletina shermani* & C.B.D. Garrett.

"&"; Seymour Ck., B.C., 19.5.17, 1294/Paratype *Boletina shermani* & C.B.D. Garrett.

"&"; Capilano, B.C., 12.5.17, 1203/Paratype *Boletina shermani* & C.B.D. Garrett.

"&"; Vancouver, B.C., 24.2.06/Paratype *Boletina shermani* & C.B.D. Garrett.

Remarks: Since no holotype was indicated in the original description, all ten specimens in the type series are syntypes. However Garrett labeled one male as the holotype. This specimen has the terminalia mounted on microscope slide No. 2692.

Boletina taiwana Saigusa, 1968, Sieboldia 4(1): 11. TAIWAN.

Paratype: 1% Taiwan, CNC No. 17979.

Boletina unusus Garrett, 1924, Insector Inscit. menstr. 12: 168. USA.

Holotype %: Ithaca, N.Y. VII-4-20/2691 N.Y./Holotype *Boletina unusus* Garrett, CNC No. 7848/Monotype *Boletina unusus* Garrett, C.B.D. Garrett.

Remarks: The apical portion of the abdomen and terminalia are mounted on microscope slide No. 2691.

Bolitophila acuta Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.

Holotype %: Michel, B.C., 22.VIII./Wilson Creek/C. Garrett Collector/5470 hypo/Holotype *Bolitophila acuta* Garrett, CNC No. 7862/Holotype *Bolitophila acuta* % Garrett, C.B.D. Garrett.

Paratypes: 3% British Columbia.

Remarks: The holotype has the terminalia mounted on microscope slide No. 5470. All paratypes have the terminalia mounted on microscope slide Nos. 5441, 5469, 5472. Paratype slide No. 5441 is labeled as having the wing mounted on the slide with the terminalia but there is no wing with the terminalia.

Bolitophila bilobata Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.

Holotype %: Cranbrook, B.C., 21.VII.17/C. Garrett Collector/Holotype *Bolitophila bilobata* Garrett, CNC No. 7865/Allotype *Bolitophila bilobata* Garrett, CNC No. 7865/Holo and Allotype *Bolitophila bilobata* Garrett, C.B.D. Garrett.

Allotype &: Same data as holotype.

Paratypes: 4% British Columbia.

Remarks: The holotype and allotype are in copula. In Garrett's original description of *B. bilobata* the name *Bolitophila* was misspelled *Bolithophila*.

Bolitophila clavata Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.

Holotype %: Michel, B.C., 14.IX./Wilson Creek/C. Garrett Collector/5460 hypo/Holotype *Bolitophila clavata* Garrett, CNC No. 7861/Holotype *Bolitophila clavata* Garrett, C.B.D. Garrett.

Paratypes: 2% British Columbia.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 5460. Both paratypes have the terminalia mounted on microscope slide Nos. 5451, 5466.

Bolitophila connectans Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.

Holotype %: Michel, B.C., 24.IX., 5200 ft./Wilson Creek, N.Fork/C. Garrett Collector/546Y hypo/Holotype *Bolitophila connectans* Garrett, C.B.D. Garrett.

Allotype &: Same data as holotype.

Remarks: The apical portion of the abdomen and terminalia of the holotype are mounted on microscope slide No. 5467.

Bolitophila duplus Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.

Holotype %: Cranbrook, B.C., 4.VII./5489 hypo/Holotype *Bolitophila duplus* Garrett, CNC No. 7857/Holotype *Bolitophila duplus* Garrett, C.B.D. Garrett.

Paratype: 1% British Columbia.

Remarks: In Garrett's original description of *B. duplus* the name *Bolitophila* was misspelled as *Belitophila*. The terminalia of the holotype are mounted on microscope slide No. 5489. The terminalia of the paratype are mounted on microscope slide No. 5440.

Bolitophila patulosa Garrett, 1925, Sixty-one new Diptera, p. 7. USA.

Holotype %: Stan. U. Cal. Feb. 1916/L.S. Jr. U. Lot 569 Sub 8/5440 slide/Holotype *Bolitophila patulosa* Garrett, CNC No. 7864/Monotype *Bolitophila patulosa* % Garrett, C.B.D. Garrett.

Remarks: The terminalia are mounted on microscope slide No. 5440.

Bolitophila perlata Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.

Holotype %: Bull River, B.C., 8.VII./C. Garrett Collector/5457 hypo/Holotype *Bolitophila perlata* Garrett, CNC No. 7856/Holotype *Bolitophila perlata* Garrett, C.B.D. Garrett.

Paratypes: 2% British Columbia.

Remarks: The terminalia of the holotype are mounted on microscope slide No. 5457. In Garrett's original description of *B. perlata* the name *Bolitophila* was misspelled *Belitophila*.

- Bolitophila raca*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.
 Holotype %: Crows Nest, B.C., 26.VIII./C. Garrett Collector/hypo 5450/Holotype *Bolitophila raca* Garrett, CNC No. 7858/Holotype *Bolitophila raca* % C.B.D. Garrett.
 Remarks: The terminalia of the holotype are mounted on microscope slide No. 5450.
- Bolitophila recurva*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.
 Holotype %: Michel, B.C., 21.IX., 5200 ft/Wilson Creek, N.Fork/C. Garrett Collector/5458 hypo/Holotype *Bolitophila recurva* Garrett, CNC No. 7860/Holotype *Bolitophila recurva* Garrett, C.B.D. Garrett.
 Paratype: 1% British Columbia.
 Remarks: The terminalia of the holotype are mounted on microscope slide No. 5458.
- Bolitophila simplex*** Garrett, 1925, Sixty-one new Diptera, p. 6. CANADA.
 Holotype %: Crows Nest, B.C., 6.VIII./C. Garrett Collector/5449 hypo/Holotype *Bolitophila simplex* Garrett, CNC No. 7855/Holotype *Bolitophila simplex* Garrett, C.B.D. Garrett.
 Remarks: The abdomen and terminalia of the holotype are mounted on microscope slide No. 5449.
- Bolitophila subteresa*** Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.
 Holotype %: Cranbrook, B.C., 6.-X./C. Garrett Collector/5452 hypo/Holotype *Bolitophila subteresa* Garrett, CNC No. 7863/Holotype *Bolitophila subteresa* Garrett, C.B.D. Garrett.
 Allotype &: Same data as holotype, except 26.VII.
 Paratypes: 10&&, British Columbia.
 Remarks: The terminalia of the holotype are mounted on microscope slide No. 5452.
- Cerotelion fasciata*** Garrett, 1925, Sixty-one new Diptera, p. 12. CANADA.
 Holotype &: Cranbrook, B.C., 11.IX.19/C. Garrett Collector/Holotype *Cerotelion fasciata* Garrett, CNC No. 7879/Monotype *Cerotelion fasciata* Garrett, C.B.D. Garrett.
 Remarks: In the original description of *C. fasciata* the name *Cerotelion* is misspelled *Ceratelion*.
- Chiasmoneura bipunctata*** Matile, 1973, Bull. Inst. fond. Afr. noire 34(A): 601. NIGERIA.
 Holotype %: Ibadan, Nigeria, 4.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype *Chiasmoneura bipunctata* Matile, CNC No. 17043/*Chiasmoneura bipunctata* n.sp. holotype, det. L. Matile 1971.
 Remarks: The nominal year for publication of Matile's description is 1972, but according to Matile (1980, p. 217) and Smith *et al.* (1980, p. 1073) the actual year of publication is 1973. The apical portion of the abdomen and terminalia are stored in glycerine in a glass microvial that is pinned with the specimen. The apical portion of the right wing is missing.
- Cordyla confera*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.
 Holotype %: Cranbrook, B.C., 23.V./5569 hypo/Holotype *Cordyla confera* Garrett, CNC No. 7897/Monotype *Cordyla confera* Garrett, C.B.D. Garrett.
 Remarks: The terminalia of the holotype are mounted on microscope slide No. 5569.
- Cordyla parva*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.
 Holotype %: Cranbrook, B.C., 10.VII./55Y1 hypo/Holotype *Cordyla parva* Garrett, CNC No. 7898/Monotype *Cordyla parva* Garrett, C.B.D. Garrett.
 Remarks: The terminalia are mounted on microscope slide No. 55Y1.
- Cordyla scutellata*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.
 Syntypes: 1% 1&, CNC No. 7896.
 "%"; Nelson, B.C., 24.VI., C. Garrett/hypo 5309/Holotype *Cordyla scutella* [sic] % C.B.D. Garrett.
 "&"; Nelson, B.C., 23.VI., C. Garrett/Allotype *Cordyla scutella* [sic] & C.B.D. Garrett.
 Remarks: In the original description Garrett indicates type with number 188, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I consider both specimens as syntypes. The specimen labeled as the holotype has its terminalia mounted on microscope slide No. 5309.
- Cordyla verio*** Garrett, 1925, Seventy new Diptera, p. 14. CANADA.
 Syntype: 1% CNC no. 7895.
 "%"; Cranbrook, B.C., 10.VII./hypo 528Y/Holotype *Cordyla vires* [sic] % C.B.D. Garrett.
 Remarks: Since no holotype was indicated in the description, both specimens are syntypes. However, Garrett labeled one male, Cranbrook, B.C., 10 July (slide No. 528Y hypo) as holotype. The specimen labeled as a holotype has the terminalia mounted on microscope slide No. 528Y. Garrett has an identification label of *Cordyla vires* on type specimen.
- Drepanocercus ensifer*** Vockeroth, 1980, Can. Ent. 112: 539. USA.
 Holotype %: Highlands, N.C., 3800' 7.VI.1957, J.R. Vockeroth/Holotype *Drepanocercus ensifer* Vockeroth, CNC No. 16054.
 Paratypes: 1% 1&, Nova Scotia (Canada); 5% 1&, Quebec (Canada); 1% 1&, Vermont; 1% New York; 4% 1&, Maine; 16% 2&&, Tennessee; 12% 3&&, North Carolina; 1&, Georgia.
 Remarks: There are two additional specimens labeled as paratypes, but they are from a locality not mentioned in the original description. Four paratypes each have the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the respective specimen.
- Dynatosoma errans*** Garrett, 1925, Seventy new Diptera, p. 11. USA.
 Syntypes: 2&&, CNC No. 7884.
 "&"; Ithaca, N.Y., VII.25-20/E.W. Stafford Collector/Holotype *Dynatosoma errans* & C.B.D. Garrett.
 "&"; Ithaca, N.Y., VII.23-20/Paratype *Dynatosoma errans* & C.B.D. Garrett.
 Remarks: In the original description Garrett indicates type with number 173, Garrett

collection. However, the above specimen labeled as holotype has no number associated with it. Therefore, I consider both specimens as syntypes.

Dynatosoma huliphila Garrett, 1925, Seventy new Diptera, p. 12. CANADA.

Syntype: 1%, CNC No. 7886.
"%"; Cranbrook, B.C., 19.IV./hypo 5219/
Holotype *Dynatosoma huliphila* % C.B.D. Garrett.

Remarks: In the original description Garrett indicates type with number 175, Garrett Collection. However, the above specimen does not have that number associated with it. As it is uncertain how many specimens Garrett had before him, I have considered this specimen to be a syntype. The apical portion of the abdomen and terminalia are mounted on microscope slide No. 5219.

Dynatosoma huliphila var. *grandis* Garrett, 1925, Seventy new Diptera, p. 12. CANADA.

Syntypes: 1% 1&, CNC No. 7962.
"%"; Cranbrook, B.C., 3.V.18/246/hypo 518Y/Holotype *Dynatosoma grandis* % C.B.D. Garrett.

"&"; Bull River, 1.V.10, B.C./Allotype *Dynatosoma grandis* & C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 178, Garrett Collection. However, the above specimen labeled as the holotype does not have that number associated with it. Therefore, I consider both specimens as syntypes. The specimen labeled as the holotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. 5187.

Dynatosoma montanus Garrett, 1925, Seventy new Diptera, p. 11. CANADA.

Syntypes: 1% 1&, CNC No. 7885.
"%"; Marysville, B.C., 22.VII., C. Garrett/Mt. Evans 7000 ft/hypo 5182/Holotype *Dynatosoma montanus* % C.B.D. Garrett.
"&"; Marysville, B.C., 22.VII., C. Garrett/Mt. Evans 7000 ft/Allotype *Dynatosoma montanus* & C.B.D. Garrett.

Remarks: In the original description, Garrett indicates type with number 174, Garrett Collection. However, the above specimen labeled as the holotype has no number associated with it. Therefore, I consider both specimens to be syntypes. The specimen labeled as the holotype has the terminalia mounted on microscope slide No. 5182.

Dziedzicka columbiana Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 17. CANADA.

Holotype % Van., B.C., 22.5.17, 1415/*Dziedzicka columbiana* R.S. S[herman], CNC No. 7951.
Remarks: This specimen was apparently described from a single male specimen, which may be considered the holotype. The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with specimen. In the original description of *D. columbiana* the name *Dziedzicka* is misspelled *Dziedzicka*.

Dziedzicka johannseni Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 17. CANADA.

Holotype &: Savary Id., [B.C.] 10.4.17, 529/
Dziedzicka johannseni R.S. Sherman, CNC No. 7950.

Remarks: This species was apparently described from a single female which may be considered the holotype.

Dziedzicka occidentalis Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 17. CANADA.

Holotype % Savary Id., [B.C.] 8.4.17 338/
Dziedzicka occidentalis R.S. Sherman.

Remarks: This species was apparently described from a single male which may be considered the holotype.

Dziedzicka patagonica Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 104. CHILE.

Paratype: 1%, Chile, CNC No. 19420.

Dziedzicka penai Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 104. CHILE.

Holotype % Antillanca, Osorno, CHILE, 18.III.1955, 400 m, L.E. Pena/Holotype *Dziedzicka penai* Duret, CNC No. 19422/Holotypus/C609/*Dziedzicka penai* sp.n. J.P. Duret, Det. 1958.

Remarks: The left wing and terminalia of the holotype are mounted between two pieces of glass on separate mounts that are pinned with the specimen.

Dziedzicka pseudoarmata Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 98. ARGENTINA.

Paratypes: 13%%, Chile, CNC No. 19424.

Dziedzicka rutila Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 17. CANADA.

Holotype % Van., B.C., 3.XI.17/*Dziedzicka rutila* R.S. Sherman.

Remarks: This species was apparently described from a single male which may be considered the holotype.

Dziedzicka stangei Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 105. CHILE.

Paratype: 1%, Chile, CNC No. 19421.

Dziedzicka vernalis Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 16. CANADA.

Holotype &: Van., B.C., 8.5.16/*Dziedzicka vernalis* R.S. Sherman, CNC No. 7948.

Remarks: This species was apparently described from a single female which may be considered the holotype.

Dziedzicka vockerothi Duret, 1978, Revta Soc. ent. argent. (1979) 37(1-4): 105. CHILE.

Holotype % Puerto Cisnes, 72E40'W., 44E45'S., Aysen, CHILE 1-15.11.61, Pena/Holotype *Dziedzicka vockerothi* Duret, CNC No. 19423/Holotypus/C611/*Dziedzicka vockerothi* sp.n. J.P. Duret, Det. 1978.

Paratype: 1%, Chile.

Remarks: The left wing and terminalia of the holotype are mounted between two pieces of glass on separate mounts that are pinned with the specimen.

Echinopodium armatum Duret, 1976, Physis, B. Aires (C) 35(90): 180. CHILE.

Holotype % Chile, Cautin, Los Coigues L. Villarica. N. 16-25.1.65, Pena/Holotype *Echinopodium armatum*, Duret, CNC No. 17054/Holotipo/C111/*Echinopodium armatum*, sp.n. Det. J.P. Duret, 1975.

Remarks: The holotype has two microslide mounts on pin: No. C111a of terminalia, and No. C111b of middle coxa.

- Echinopodium aysense* Duret, 1976, Physis, B. Aires (C) 35(90): 181. CHILE.
 Holotype %: Puerto Cisnes, 72E40'W., 44E45'S., Aysen, Chile 1-15.II.61. Pena/Holotipo/
 Holotype *Echinopodium aysense*, Duret CNC No. 17055/C8/ *Echinopodium aysensis* [sic], sp.n. Det. J.P. Duret, 1975.
 Paratype: 1%, Chile.
 Remarks: The holotype has two microslide mounts on pin: No. C8a, of terminalia, and No. C8b, of middle coxa. The paratype has two microslide mounts on pin: No. C168a, of terminalia, and No. C168b, of middle coxa.
- Echinopodium bejaranoi* Duret, 1974, Physis, B. Aires (C) 33(86): 103. ARGENTINA.
 Paratype: 1%, Argentina, CNC No. 17056.
 Remarks: The paratype has a microslide mount of the terminalia and middle coxa, on pin No. 9648.
- Echinopodium cekalovici* Duret, 1976, Physis, B. Aires (C) 35(90): 181. CHILE.
 Holotype %: Dalcahue Isla Chiloe, Chiloe, Chile, Feb. '61. L. Pena/Holotipo/Holotype
Echinopodium cekalovici, Duret, CNC No. 17057/C90/ *Echinopodium cekalovici* sp.n. Det. J.P. Duret, 1975.
 Remarks: The holotype has two microslide mounts on pin: No. C90a, of terminalia, and No. C90b, of middle coxa.
- Echinopodium chilense* Duret, 1976, Physis, B. Aires (C) 35(90): 183. CHILE.
 Holotype %: Puerto Cisnes, 72E40'W., 44E45'S., Aysen, Chile, 16-28.II.'61 Pena/Holotipo/
 Holotype *Echinopodium chilense*, Duret, CNC No. 17058/C24/ *Echinopodium chilensis* [sic] sp.n. Det. J.P. Duret, 1975.
 Remarks: The holotype has two microslide mounts on pin: No. C24a, of terminalia, and C24b, of middle coxa.
- Echinopodium coronatum* Duret, 1976, Physis, B. Aires (C) 35(90): 184. CHILE.
 Holotype %: Chile, Cautin, Los Coigues, L. Villarica. N. 16-25.I.65 Pena/Holotipo/
 Holotype *Echinopodium coronatum*, Duret, CNC No. 17059/C56/ *Echinopodium coronatum* sp.n. Det. J.P. Duret, 1975.
 Remarks: The holotype has two microslide mounts on pin: No. C56a, of terminalia, and No. C56b, of middle coxa.
- Echinopodium elegans* Duret, 1976, Physis, B. Aires (C) 35(90): 184. CHILE.
 Holotype %: Dalcahue, Isla Chiloe, Chiloe, Chile, 17-22.I.62. Pena/Holotipo/Holotype
Echinopodium elegans Duret, CNC No. 17060/C58/ *Echinopodium elegans* sp.n. Det. J.P. Duret, 1975.
 Paratype: 1%, Chile.
 Remarks: The holotype has two microslide mounts on pin: No. C58a, of terminalia, and C58b, of middle coxa. The paratype has one microslide mount on pin: No. C57, of terminalia.
- Echinopodium insolitum* Duret, 1976, Physis, B. Aires (C) 35(90): 185. CHILE.
 Holotype %: Dalcahue, Isla Chiloe, Chiloe, Chile, 17-22.I.62 Pena/Nothofagus forest/
 Holotipo/Holotype *Echinopodium insolitum* Duret, CNC No. 17062/C98/ *Echinopodium insolitum* sp.n. Det. J.P. Duret, 1975.
 Paratype: 1%, Chile.
 Remarks: The holotype has two microslide mounts on pin: No. C98a, of terminalia, and C98b, of middle coxa. The paratype has two microslide mounts on pin: C105d, of terminalia, and C105b, of middle coxa.
- Echinopodium munroei* Duret, 1976, Physis, B. Aires (C) 35(90): 185. CHILE.
 Holotype %: Puerto Cisnes, 72E40'W., 44E45'S., Aysen, Chile, 16-28.II.'61 Pena/Holotipo/
 Holotype *Echinopodium munroei* Duret, CNC No. 17063/C22/ *Echinopodium munroei* sp.n. Det. J.P. Duret, 1975.
 Remarks: The holotype has two microslide mounts on pin: C22a, of terminalia, and C22b, of middle coxa.
- Echinopodium patagonicum* Duret, 1976, Physis, B. Aires (C) 35(90): 187. CHILE.
 Holotype %: Chile, Cautin, Los Coigues, L. Villarica. N. 16-25.I.65. Pena/Holotipo/
 Holotype *Echinopodium patagonicum* Duret, CNC No. 17064/ C20/ *Echinopodium patagonicum* sp.n. Det. J.P. Duret, 1975.
 Paratype: 1%, Chile.
 Remarks: The holotype has two microslide mounts on pin: C20a, of terminalia, and C20b, of middle coxa. The paratype has two microslide mounts on pin: C104a, of terminalia, and C104b, of middle coxa.
- Echinopodium penai* Duret, 1976, Physis, B. Aires (C) 35(90): 189. CHILE.
 Holotype %: Dalcahue, Isla Chiloe, Chiloe, Chile, Feb.'61. L. Pena/Holotipo/Holotype
Echinopodium penai Duret, CNC No. 17065/C96/ *Echinopodium penai* sp.n. Det. J.P. Duret, 1975.
 Paratype: 1%, Chile.
 Remarks: The holotype has two microslide mounts on pin: No. C96a, of terminalia, and C96b, of middle coxa. The paratype has one microslide mount of the terminalia on pin, No. C171.
- Echinopodium pilosum* Duret, 1976, Physis, B. Aires (C) 35(90): 189. CHILE.
 Paratypes: 2%, Chile, CNC No. 17066.
 Remarks: Each paratype has two microslide mounts on pin: No. C101a, of terminalia, and No. C101b, of middle coxa; No. C102a, of terminalia, and no. C102b, of middle coxa.
- Echinopodium stuardoi* Duret, 1976, Physis, B. Aires (C) 35(90): 190. CHILE.
 Holotype %: Puerto Cisnes, 72E40'W., 44E45'S., Aysen, Chile, 1-15.II.61 Pena/Holotipo/
 Holotype *Echinopodium stuardoi* Duret, CNC No. 17067/C196/ *Echinopodium stuardoi* sp.n. Det. J.P. Duret, 1975.
 Remarks: The holotype has two microslide mounts on pin: No. C196a, of terminalia, and C196b, of middle coxa.
- Echinopodium villarricaense* Duret, 1976, Physis, B. Aires (C) 35(90): 191. CHILE.
 Holotype %: Chile, Cautin, Los Coigues, L. Villar., 1-15 Jan. 1965, Pena/Holotipo/
 Holotype *Echinopodium villarricaense* Duret,

- CNC No. 17068/ C108/Echinopodium villarricaense sp.n. Det. J.P. Duret, 1975.
Remarks: The holotype has two microslide mounts on pin: No. C108a, of terminalia, and No. C108b, of middle coxa.
- Echinopodium vockerothi*** Duret, 1976, Physis, B. Aires (C) 35(90): 192. CHILE.
Holotype %: Dalcahue Isla, Chiloe Chiloe, Chile, Feb.'61. L. Pena/Holotipo/Holotype Echinopodium vockerothi Duret, CNC No. 17069/C18/Echinopodium vockerothi sp.n. Det. J.P. Duret, 1975.
Paratype: 2% Chile.
Remarks: The holotype has two microslide mounts on pin: No. C18a, of terminalia, and No. C18b, of middle coxa. The paratypes have the microslide mounts on pin: No. C156a, of terminalia; C156b, of middle coxa; and No. C167, of terminalia.
- Empalia disjuncta*** Garrett, 1925, Seventy new Diptera, p. 11. CANADA.
Holotype %: Marysville, B.C., Aug 1, C. Garrett/5003 hypo/Holotype Empalia disjuncta Garrett, CNC No. 7882/Monotype Empalia disjuncta Garrett, C.B.D. Garrett.
Remarks: The abdomen is mounted on microscope slide No. 5003.
- Eudicrana plexipus*** Garrett, 1925, Sixty-one new Diptera, p. 4. CANADA.
Holotype &: Vancouver, B.C., 27.3.15/Holotype Eudicrana plexipus Garrett, CNC No. 7849/Wing 2693/Monotype Eudicrana perplexus [sic] Garrett, C.B.D. Garrett.
Remarks: The abdomen is stored in a glass microvial pinned with specimen. Both wings are mounted on a microscope slide.
- Exechia stricklandi*** Fisher in Strickland, 1946, Can. J. Res. Sect. D, Zool. Sci. 24: 161. CANADA.
Holotype %: Edmonton, Alta., 19.V.1937, E.H. Strickland/Holotype Exechia stricklandi Fisher, CNC No. 5039/Type Exechia stricklandi E.G. Fisher.
Remarks: This specimen is a Nomen nudum (see Stone *et al.* 1965, p. 1116). The apical portion of the abdomen and terminalia are stored in a glass microvial, pinned with specimen.
- Fungivora alexanderi*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 267. USA.
Paratypes: 1% 1&, Ontario (Canada); 2&&, British Columbia (Canada), CNC No. 8876.
Remarks: The apical portion of the abdomen and terminalia of the male paratype are stored in a glass microvial pinned with the specimen.
- Fungivora arnaudi*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 222. USA.
Paratypes: 1% 2&&, California, CNC No. 8871.
- Fungivora bohémica*** Lastovka, 1963, Cas. csl. Spol. ent. 60(4): 323. CZECHOSLOVAKIA.
Paratypes: 1% 1&, Czechoslovakia, CNC No. 17123.
- Fungivora brevitarsata*** Lastovka, 1963, Cas. csl. Spol. ent. 60(4): 320. CZECHOSLOVAKIA.
Paratypes: 1% 1&, Czechoslovakia, CNC No. 17122.
- Fungivora caurina*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 224. USA.
Paratype: 1% British Columbia (Canada), CNC No. 8872.
Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.
- Fungivora comata*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 196. USA.
Paratype: 1% Maryland, CNC No. 8911.
Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.
- Fungivora concinna*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 235. USA.
Paratype: 1% Saskatchewan (Canada), CNC No. 8873.
Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.
- Fungivora crassiseta*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 209. USA.
Paratype: 1% British Columbia (Canada), CNC No. 8868.
Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen.
- Fungivora cruciator*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 212. USA.
Paratypes: 2% Ontario (Canada), CNC No. 8869.
Remarks: The abdomen of one paratype is stored in a glass microvial pinned with the specimen.
- Fungivora discors*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 265. USA.
Paratypes: 1% 2&&, Ontario (Canada), CNC No. 8875.
- Fungivora fisherae*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 180. USA.
Paratypes: 4% 4&&, Iowa; 3% 5&&, Quebec (Canada); 4% 6&&, Ontario (Canada); 11% 4&&, British Columbia (Canada), CNC No. 8866.
Remarks: Two male paratypes each have the abdomen stored in a glass microvial pinned with specimen.
- Fungivora recula*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 217. USA.
Paratype: 1% California, CNC No. 8870.
- Fungivora sepulta*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 175. USA.
Paratypes: 1&, Iowa; 1% Quebec (Canada); 1% Manitoba (Canada); 1&, Saskatchewan (Canada), CNC No. 8865.
Remarks: One male paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.
- Fungivora shawi*** Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 273. USA.
Paratypes: 1% Quebec (Canada); 1% 1&, British Columbia (Canada), CNC No. 8878.
Remarks: The abdomen of one male paratype is stored in a glass microvial pinned with the specimen.

- Fungivora stricklandi* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 251. USA.
Allotype &: Christopher L. Sask., 10.VIII.1948, A.R. Brooks/Allotype *Fungivora stricklandi* Laffoon, CNC No. 8874/Allotype & *Fungivora stricklandi* Jean Laffoon 1957.
Paratype: 1%, Alberta (Canada).
Remarks: The apical portion of the abdomen and terminalia of the paratype are stored in a glass microvial pinned with the specimen.
- Fungivora vegeta* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 192. USA.
Paratypes: 3%, 2&&, Iowa, CNC No. 8867.
- Fungivora venusta* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 290. USA.
Paratypes: 1&, Iowa; 3%, 1&, Ontario (Canada); 2%, Saskatchewan (Canada), CNC No. 8879.
Remarks: Two of the male paratypes each have the abdomen stored in a glass microvial pinned with the specimen.
- Fungivora verecunda* Laffoon, 1957, Iowa St. J. Res. (1956) 31(2): 270. USA.
Paratypes: 2%, 1&, Iowa, CNC No. 8877.
- Gnoriste macroides* Curran, 1927, Can. Ent. 59: 79. CANADA.
Holotype %: Orillia, Ont., 5.VI.1925, C.H. Curran/Holotype *Gnoriste macroides* Curran, CNC No. 2365/*Gnoriste macroides* Curran, Det. C.H. Curran.
Paratype: 1%, Quebec.
- Leia cephal* Garrett, 1925, Seventy new Diptera, p. 11. CANADA.
Syntypes: 2&&, CNC No. 7883.
" & "; Marysville, B.C., 1.VIII., C. Garrett/Holotype *Leia cephal* & C.B.D. Garrett." & "; Marysville, B.C., 17.VII., C. Garrett/Paratype *Leia cephal* & C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 172, Garrett collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I consider both specimens as syntypes.
- Leia hemiata* Garrett, 1925, Sixty-one new Diptera, p. 11. CANADA.
Holotype %: Bull River, B.C., 24.VI./C. Garrett Collector/5243 hypo/Holotype *Leia hemiata* Garrett, CNC No. 7877/Holotype *Leia hemiata* [sic] Garrett, C.B.D. Garrett.
Allotype &: Same data as holotype.
Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. 5243.
- Leia shermani* Garrett, 1925, Sixty-one new Diptera, p. 11. CANADA.
Holotype &: Agassiz, B.C., 3.VI.17 1642/
Holotype *Leia shermani* Garrett, CNC No. 7878/Monotype *Leia shermani* Garrett, C.B.D. Garrett.
- Loicia basifurca* Vockeroth, 1980, Can. Ent. 112: 531. CANADA.
Holotype %: Mt. Thornhill, nr. Terrace, B.C., 26.VII.1960, B. Heming/elev. 1500' ex. wet hollow along trail/Holotype *Loicia basifurca* Vockeroth, CNC No. 16050/Idema illustration/Slide J.R.V., 1.V.74, No. A.
Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in a microvial pinned with the specimen. The head of the holotype is mounted on a microscope slide.
- Lygistorrhina sanctaetharinae* Thompson, 1975, Proc. ent. Soc. Wash. 77(4): 442. USA.
Paratype: 3%, 1&, Georgia, CNC No. 17070.
Remarks: One paratype has the left wing mounted on a microscope slide.
- Macrocera bicolor* Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.
Holotype &: Cranbrook, B.C., 10.VIII./Holotype *Macrocera bicolor* Garrett, CNC No. 7867/Holotype *Macrocera bicolor* Garrett, C.B.D. Garrett.
- Macrocera distincta* Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
Holotype %: Cranbrook, B.C., 16.VII.21/Holotype *Macrocera distincta* Garrett, CNC No. 7871/Holotype *Macrocera distincta* Garrett, C.B.D. Garrett.
Allotype &: Same data as holotype.
Paratypes: 5%, 1&, British Columbia.
- Macrocera insignis* Vockeroth, 1976, Can. Ent. 108: 1232. USA.
Holotype %: Lakes of the Clouds, 5000' 9.VIII.1954/Mt. Washington N.H., Becker, Munroe & Mason/Holotype *Macrocera insignis* Vockeroth, CNC No. 17041/Slide JRV. 30.VII.75 No. R. ta 1/Holotype *Macrocera insignis* Vock.
Remarks: The holotype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen. The right middle tarsi and tibia of holotype are mounted on microscope slide No. R ta 1.
- Macrocera pilosa* Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
Holotype &: Cranbrook, B.C., 26.VI.21/C. Garrett Collector/4257/Holotype *Macrocera pilosa* Garrett, CNC No. 7869/Monotype *Macrocera pilosa* Garrett, C.B.D. Garrett.
- Macrocera similis* Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
Holotype &: Michel, B.C., 7.IX./Wilson Creek/C. Garrett Collector/Holotype *Macrocera similis* Garrett, CNC No. 7872/*Macrocera similis* Garrett, C.B.D. Garrett.
- Macrocera summatis* Vockeroth, 1976, Can. Ent. 108: 1232. SWEDEN.
Holotype %: Pajala, Nb. Sweden, 27.VII.1951, J.R. Vockeroth/Holotype *Macrocera summatis* Vockeroth, CNC No. 17042/Slide JRV., 26.VII.74, No. A ta 1/Holotype *Macrocera summatis* Vockeroth.
Remarks: The holotype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen. The left fore tarsi of holotype is mounted on microscope slide No. JRV 30. VII. 75 A.

- Macrocera unica*** Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
 Holotype %: Cranbrook, B.C., 14.VII./Holotype *Macrocera unica* Garrett, CNC No. 7868/Holotype *Macrocera unica* % Garrett, C.B.D. Garrett.
 Allotype &: Caulfields, B.C., 24.V.17, 1512/Allotype *Macrocera unica* Garrett, CNC No. 7868/Allotype *Macrocera unica* Garrett, C.B.D. Garrett.
 Remarks: The abdomen and both hind legs are missing from the allotype.
- Macrocera variola*** Garrett, 1925, Sixty-one new Diptera, p. 7. CANADA.
 Holotype %: 1739/Holotype *Macrocera variola* Garrett, CNC No. 7866/Holotype *Macrocera variola* % Garrett, C.B.D. Garrett/
 Mycetophilid [sic] genus *Macrocera* possibly a.n.s.
 Allotype &: Cranbrook, B.C., 0.VII./Allotype *Macrocera variola* Garrett, CNC No. 7866/Allotype *Macrocera variola* Garrett, C.B.D. Garrett.
 Paratypes: 7%, 6&&, British Columbia.
 Remarks: The terminalia of one male paratype are mounted on microscope slide No. 5474.
- Macrocera villosa*** Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
 Holotype %: Fernie, B.C., 17.VI./C. Garrett Collector/Holotype *Macrocera villosa* Garrett, CNC No. 7870/Holotype *Macrocera villosa* [sic] Garrett, C.B.D. Garrett.
 Allotype &: Same data as holotype, except 1 July.
- Mycetophila alacalufesi*** Duret, 1980, An. Inst. Pat. 2: 304. ARGENTINA.
 Paratype: 1%, Chile, CNC No. 19413.
- Mycetophila alberta*** Curran, 1927, Can. Ent. 59: 80. CANADA.
 Holotype &: Edmonton, Alta., 5.V.1925, E.H. Strickland/Holotype *Mycetophila alberta* Curran, CNC No. 2417.
- Mycetophila bertae*** Duret, 1979, An. Inst. Pat. 10: ARGENTINA.
 Paratype: 1%, Argentina, CNC No. 19416.
- Mycetophila britannica*** Lastovka & Kidd, 1975, Entomologists' mon. Mag. (1974) 110: 203. ENGLAND.
 Paratypes: 21%, 5&&, England, CNC No. 17121.
- Mycetophila monochaeta*** Loew, 1869, Berl. ent. Z. 13: 158. USA.
 Paralectotype: 1%, District Columbia, CNC No. 2141.
 Remarks: For lectotype designation see Laffoon (1957 (1956), p. 206).
- Mycetophila schajovskoyi*** Duret, 1980, An. Inst. Pat. 2: 309. ARGENTINA.
 Paratype: 1%, Argentina, CNC No. 19414.
- Mycetophila vianai*** Duret, 1980, Revta Soc. ent. argent. 39(3-4): 152. ARGENTINA.
 Paratype: 1%, Chile, CNC No. 19411.
- Mycomya abegena*** Väisänen, 1984, Acta. ent. fenn. 177: 167. CANADA.
 Paratypes: 3%, California, CNC No. 19455.
- Mycomya accrescens*** Väisänen, 1984, Acta ent. fenn. 177: 220. USA.
 Paratypes: 5%, Quebec (Canada); 1%, Ontario (Canada); 4%, British Columbia (Canada), CNC No. 19451.
- Mycomya aluco*** Väisänen, 1984, Acta ent. fenn. 177: 108. CANADA.
 Holotype %: Squamish, B.C. Diamond Head Trail, 3200 ft. Aug. 1-2, 1953, G.J. Spencer/
 Holotype *Mycomya aluco* Väisänen, CNC No. 19450/Holotype *Mycomya aluco* % n.sp. Väisänen, 1984/*Mycomya aluco* % R. Väisänen det. 1980.
 Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with specimen.
- Mycomya ampla*** Garrett, 1924, Insecutor Inscit. menstr. 12: 64. CANADA.
 Holotype %: Hot Springs rd., Banff, Alta., July 17.08 N.B.S./Hypo 4955/Holotype *Mycomya ampla* Garrett, CNC No. 7830/Holotype *Mycomya ampla* % C. Garrett, C.B.D. Garrett.
 Paratype: 1%, British Columbia.
 Remarks: The terminalia of the holotype are mounted on microscope slide No. 4955. The remainder of the abdomen is glued to the cork double-mount. The paratype has the abdomen and terminalia stored in a plastic microvial pinned with specimen.
- Mycomya aneura*** Väisänen, 1984, Acta ent. fenn. 177: 159. CANADA.
 Paratypes: 1%, Quebec; 1%, Ontario; 15%, 5&&, Manitoba; 2%, Northwest Territories, CNC No. 19434.
- Mycomya arcuata*** Väisänen, 1984, Acta ent. fenn. 177: 186. USA.
 Paratypes: 3%, British Columbia (Canada), CNC No. 19449.
- Mycomya armata*** Garrett, 1924, Insecutor Inscit. menstr. 12: 163. CANADA.
 Holotype %: Caulfields, B.C., 5.5.17/Hy. wing 5278/Holotype *Mycomya armata* Garrett, CNC No. 7839/Holotype *Mycomya armata* % C. Garrett, C.B.D. Garrett.
 Remarks: The abdomen, head and left wing are missing from the holotype. The terminalia of holotype were originally mounted under a glass cover-slip on microscope slide No. 5278. However, the glass cover-slip and terminalia have been removed from slide and placed in a microvial taped to the slide.
- Mycomya atus*** Garrett, 1924, Insecutor Inscit. menstr. 12: 159. CANADA.
 Lectotype %: Savary Id. [Island], B.C. 8.4.17 (reverse side) 339/5270/Hypo slide/Lectotype *Mycomya atus* desig. Väisänen, CNC No. 7834/Holotype *Mycomya atus* % C. Garrett, C.B.D. Garrett/My. atus/Lectotypus *Mycomya atus* % Garrett.
 Paralectotype: 1%, British Columbia.
 Remarks: For lectotype designation see Väisänen (1984, p. 51). The lectotype and paralectotype have the abdomen and terminalia mounted on microscope slide Nos. 5270 and 5274 respectively.
- Mycomya autumnalis*** Garrett, 1924, Insecutor Inscit. menstr. 12: 160. CANADA.

- Lectotype %: Michel, B.C., 27.X/Wilson Creek/C. Garrett Collector/5255/Hypo slide/Lectotype *Mycomya autumnalis*, CNC No. 7835/
Holotype *Mycomya autumnalis* % C. Garrett, C.B.D. Garrett/My. *autumnalis*/ Lectotypus *Mycomya autumnalis* % Garrett.
Remarks: For lectotype designation see Väisänen (1984, p. 150). The date on the slide, 27.IX., and the slide No., 5285, differ from that of the pinned specimen, 27.X., and No., 5255.
- Mycomya byersi*** Väisänen, 1984, Acta ent. fenn. 177: 315. USA.
Paratypes: 1% New York; 2% Nova Scotia (Canada); 30% Quebec (Canada), CNC No. 19430.
- Mycomya canoak*** Väisänen, 1984, Acta ent. fenn. 177: 200. USA.
Paratypes: 1% Arizona, CNC No. 19456.
- Mycomya cranbrooki*** Garrett, 1924, Insector Inscit. menstr. 12: 61. CANADA.
Holotype %: Cranbrook, B.C., 27.IV.22/C. Garrett Collector/Hypo 5279/Holotype *Mycomya cranbrooki* Garrett, CNC No. 7826/Holotype *Mycomya terminata* var. *cranbrooki* C. Garrett, C.B.D. Garrett.
Remarks: The terminalia are mounted on microscope slide No. 5279. The date on the pinned holotype and slide is 27.IV.1922, not 27 May as indicated in original description.
- Mycomya difficilis*** Garrett, 1924, Insector Inscit. menstr. 12: 65. CANADA.
Lectotype %: Cranbrook, B.C., 2.V.18/C. Garrett Collector/5257/G/ *difficilis* % Lectotype *Mycomya difficilis* desig. Väisänen, CNC No. 7832/Lectotypus *Mycomya difficilis* % Garrett/Mycomya *difficilis* % Garr., det. R. Väisänen 1982.
Paralectotypes 2% 1&, British Columbia.
Remarks: For lectotype designation see Väisänen (1984, p. 163). The lectotype has the terminalia stored in glycerine in a plastic microvial pinned with specimen; the lectotype has the head missing. Väisänen selected as lectotype a specimen different from that labeled by Garrett as holotype. Both male paralectotypes have the terminalia stored in glass microvials containing glycerine. One is pinned with the specimen, the other was originally mounted on a microscope slide but has since been removed and placed in a microvial scotch- taped to slide.
- Mycomya disa*** Väisänen, 1984, Acta ent. fenn. 177: 120. FINLAND.
Paratype: 1% Sweden, CNC No. 19458.
- Mycomya durus*** Garrett, 1924, Insector Inscit. menstr. 12: 162. CANADA.
Holotype %: Vancouver, B.C., 10.XI.17/R.S. Sherman, No. 2513/5269/Hypo slide/Holotype *Mycomya durus* Garrett, CNC No. 7838/
Holotype *Mycomya durus* % C. Garrett, C.B.D. Garrett/My. *durus*.
Remarks: The holotype has its abdomen and terminalia mounted on microscope slide No. 5269.
- Mycomya echinata*** Garrett, 1924, Insector Inscit. menstr. 12: 161. CANADA.
Lectotype %: Michel, B.C., 8.VIII./Hypo 4837/Lectotype *Mycomya echinata* desig. Väisänen, CNC No. 7837/Holotype *Mycomya* [sic] *echinata* % C. Garrett, C.B.D. Garrett/Lectotype *Mycomya echinata* % Garrett.
Paralectotypes 3% British Columbia.
Remarks: For lectotype designation see Väisänen (1984, p. 150). The lectotype and 3 paralectotypes have the terminalia mounted on microscope slide No. 4837 (lectotype), and Nos 1185, 5271, and 5272 (paralectotypes).
- Mycomya esox*** Väisänen, 1984, Acta ent. fenn. 177: 314. USA.
Holotype %: Rabun Co., Ga., 13.VII.1957, W.R. Richards/Holotype *Mycomya esox* Väisänen, CNC No. 19437/Holotype *Mycomya esox* % n.sp. Väisänen, 1984/Mycomya *esox* % R. Väisänen det. 1981.
Paratypes: 1% Georgia; 1% 2&&, North Carolina; 2% 1&, Ohio.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.
- Mycomya hackmani*** Väisänen, 1984, Acta ent. fenn. 177: 119. FINLAND.
Paratypes: 2% Austria; 2% Sweden, CNC No. 19457.
- Mycomya hamatus*** Garrett, 1924, Insector Inscit. menstr. 12: 160. CANADA.
Holotype %: Michel, B.C., 5200 ft 22.VIII./ Wilson Creek forks/Hypo 4963/ Holotype *Mycomya hamatus* Garrett, CNC No. 7836/Holotype *Mycomya hamatus* % C. Garrett, C.B.D. Garrett/My. *hamatus*.
Remarks: There is a slide with the same data as the holotype and No. 4963, in Garrett's handwriting. According to the original description, the terminalia of the holotype are not mounted on a microscope slide.
- Mycomya humidus*** Garrett, 1924, Insector Inscit. menstr. 12: 62. CANADA.
Holotype %: Michel, B.C., 5200 ft, 24.IX./Wilson Creek N. fork/C. Garrett Collector/Hypo 4961/Holotype *Mycomya humidus* Garrett, CNC No. 7827/Holotype *Mycomya humidus* % C. Garrett, C.B.D. Garrett.
Paratype: 1&, British Columbia.
Remarks: The terminalia of the holotype are mounted on microscope slide No. 4961. The paratype has an allotype label; however, it is in handwriting other than Garrett's.
- Mycomya imperatrix*** Väisänen, 1984, Acta ent. fenn. 177: 73. USA.
Holotype %: U.S.A., Ore., Josephine Co., O'Brien, 5.VI.1965, F. Schmid/Holotype *Mycomya imperatrix* Väisänen, CNC No. 19440/Holotype *Mycomya imperatrix* % n.sp. Väisänen, 1984/Mycomya *imperatrix* % R. Väisänen det. 1981.
Paratypes: 1% California; 1% British Columbia (Canada).
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.
- Mycomya islandica*** Väisänen, 1984, Acta ent. fenn. 177: 126. FINLAND.

- Paratypes: 1%, Sweden; 1%, Manitoba (Canada); 1%, Yukon Territory (Canada), CNC No. 19445.
- Mycomya leporina*** Väisänen, 1984, Acta ent. fenn. 177: 194. CANADA.
Holotype % N.W.T. 21 m.e., Tuktoyaktuk, 17-21.VII.71, D.M. Wood/Holotype *Mycomya leporina* Väisänen, CNC No. 19448/Holotype *Mycomya leporina* % n.sp. Väisänen, 1984/*Mycomya leporina* % R. Väisänen det. 1980.
Paratypes: 1%, Labrador; 3%, Quebec; 1%, Manitoba; 4%, British Columbia; 1%, Northwest Territories.
- Mycomya lividella*** Väisänen, 1984, Acta ent. fenn. 177: 239. CANADA.
Holotype % Fort Churchill, Man., 21.VIII.1952, J.G. Chillcott/Ecological data f.E 21/Holotype *Mycomya lividella* Väisänen, CNC No. 19432/Holotype *Mycomya lividella* % n.sp. Väisänen 1984.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.
- Mycomya lutealis*** Väisänen, 1984, Acta ent. fenn. 177: 281. CANADA.
Holotype % Kleanza Creek, 14 mi. E. Terrace, B.C., 30.VI.1960, J.G. Chillcott/wet, scrubby clearing/Holotype *Mycomya lutealis* Väisänen, CNC No. 19454/Holotype *Mycomya lutealis* % n.sp. Väisänen, 1984/*Mycomya lutealis* % n.sp. det. R. Väisänen 1982.
Paratype: 1%, British Columbia.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.
- Mycomya macateei*** Väisänen, 1984, Acta ent. fenn. 177: 275. USA.
Holotype % Rabun Bald, Ga., Rabun Co., 3000', 14.VII.1957, J.G. Chillcott/Holotype *Mycomya macateei* Väisänen, CNC No. 19426/Holotype *Mycomya macateei* n.sp. % Väisänen, 1984/*Mycomya macateei* % R. Väisänen det. 1981.
Paratypes: 11%, Georgia; 7%, North Carolina; 2%, Quebec (Canada); 1% Ontario (Canada).
- Mycomya magna*** Garrett, 1924, Insecutor Inscit. menstr. 12: 64. CANADA.
Lectotype % Fernie, B.C., 21.VII./C. Garrett Collector/Hy. Hed. Legs 5239/Lectotype *Mycomya magna* desig. Väisänen, CNC No. 7829/Holotype *Mycomya* [sic] *magna* % C. Garrett, C.B.D. Garrett/Lectotypus *Mycomya magna* % Garrett.
Paralectotypes 5%, 3&&, British Columbia.
Remarks: For lectotype designation see Väisänen (1984, p. 187). The terminalia of the holotype are mounted on one microscope slide No. 5239. The head and 3 legs are mounted on another slide with same No. 5239.
- Mycomya magnifica*** Väisänen, 1984, Acta ent. fenn. 177: 76. CANADA.
Holotype % Old Chelsea, Que., 1.X.1963, J.R. Vockeroth/Holotype *Mycomya magnifica* Väisänen, CNC No. 19439/Holotype *Mycomya magnifica* % n.sp. Väisänen, 1984/*Mycomya magnifica* % R. Väisänen det. 1981.
- Paratypes: 2%, Quebec; 1%, Colorado; 1%, North Carolina.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.
- Mycomya matrona*** Väisänen, 1984, Acta ent. fenn. 177: 53. CANADA.
Holotype % Old Chelsea, Que., 1.X.1963, J.R. Vockeroth/Holotype *Mycomya matrona* Väisänen, CNC No. 19433/Holotype *Mycomya matrona* % n.sp. Väisänen, 1984/*Mycomya matrona* % 1981 R. Väisänen det.
Allotype &: Old Chelsea, Que., Oct 16 1969, J.F. McAlpine/Summit of King Mt., 1150'/Allotype *Mycomya matrona* Väisänen, CNC No. 19433/*Mycomya matrona* & 1981, R. Väisänen det.
Remarks: The holotype and allotype have the terminalia of both specimens dissected and stored in glycerine in plastic microvials that are pinned with the respective specimen.
- Mycomya midea*** Väisänen, 1984, Acta ent. fenn. 177: 290. USA.
Holotype % Pisgah Forest, N.C., Looking Glass Pk., 19.VII.1957, W.R. Richards/Holotype *Mycomya midea* Väisänen, CNC No. 19436/Holotype *Mycomya midea* % n.sp. Väisänen, 1984/*Mycomya midea* % Vais., det. R. Väisänen 1982.
Paratypes: 1%, North Carolina; 1%, Ontario (Canada).
Remarks: The terminalia of the holotype are stored in glycerine in a plastic microvial pinned with the specimen.
- Mycomya neohyalinata*** Väisänen, 1984, Acta ent. fenn. 177: 145. FINLAND.
Paratype: 1%, Sweden; 1%, Alaska; 1%, Manitoba (Canada), CNC No. 19427.
- Mycomya neolittoralis*** Väisänen, 1984, Acta ent. fenn. 177: 319. FINLAND.
Paratypes: 1%, Quebec; 4%, Ontario; 13%, Tennessee; 26%, North Carolina, CNC No. 19447.
- Mycomya novagallica*** Väisänen, 1984, Acta ent. fenn. 177: 74. CANADA.
Holotype % Beechgrove, Que., 2.X.1964, 45E39', 76E8', J.R. Vockeroth/Holotype *Mycomya novagallica* Väisänen, CNC No. 19443/Holotype *Mycomya novagallica* % n.sp. Väisänen, 1984/*Mycomya novagallica* % R. Väisänen det. 1981.
Paratypes: 2%, Quebec.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.
- Mycomya ostensackeni*** Väisänen, 1984, Acta ent. fenn. 177: 79. CANADA.
Holotype % Ninette, Manitoba, 5.VIII.1958, J.G. Chillcott/Moist ash woods/Holotype *Mycomya ostensackeni* Väisänen, CNC No. 19438/Holotype *Mycomya ostensackeni* % n.sp. Väisänen, 1984/*Mycomya ostensackeni* % R. Väisänen det. 1981.
Paratypes: 3%, Quebec; 1%, Ontario.
Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.

- Mycomya oviducta*** Garrett, 1924, Insecutor Inscit. menstr. 12: 164. CANADA.
 Syntypes: 4&&, CNC No. 7841.
 "&"; Michel, B.C., 24.IX., 5200 ft/Wilson Creek, N. Fork/Holotype *Boletina oviducta* &, C.B.D. Garrett/C. Garrett, Collector.
 "3&&"; Michel, B.C., 24.IX., 5200 ft/Wilson Creek, N. Fork/Paratype *Boletina oviducta* &, C.B.D. Garrett/C. Garrett Collector.
 Remarks: Since no holotype was indicated in the original description, all six specimens in the type series are syntypes. However, Garrett did label one female as the holotype.
- Mycomya permixta breviseta*** n.ssp. Väisänen, 1984, Acta ent. fenn. 177: 303. USA.
 Paratypes: 11%%, Saskatchewan (Canada); 1%, Alberta (Canada); 2%%, British Columbia (Canada), CNC No. 19446.
- Mycomya polleni*** Garrett, 1924, Insecutor Inscit. menstr. 12: 65. CANADA.
 Lectotype %: Cranbrook, B.C., 6.VII./Hypo 2551/Lectotype *Mycomya polleni* desig. Väisänen, CNC No. 7831/Holotype *Mycomya* [sic] *polleni* % C. Garrett, C.B.D. Garrett/Lectotypes *Mycomya polleni* % Garrett.
 Paralectotypes 4%%, British Columbia.
 Remarks: For lectotype designation see Väisänen (1984, p. 157). The terminalia of the lectotype are mounted on microscope slide No. 2551. Two paralectotypes have the terminalia in plastic microvials pinned with the respective specimen. The terminalia of the one paralectotype are mounted on microscope slide No. 2553.
- Mycomya praeda*** Väisänen, 1984, Acta ent. fenn. 177: 323. USA.
 Paratypes: 1% Ontario (Canada); 2%%, Manitoba (Canada), CNC No. 19428.
- Mycomya pura*** Väisänen, 1984, Acta ent. fenn. 177: 251. USA.
 Holotype %: Keene Valley, Essex Co., N.Y., 1200' 20.VII.62, J.R. Vockeroth/Holotype *Mycomya pura* Väisänen, CNC No. 19429/Holotype *Mycomya pura* % n.sp. Väisänen, 1984.
 Paratypes: 4%%, 2&&, Georgia; 28%%, 9&&, North Carolina; 2%%, Virginia; 2%%, Tennessee; 4%%, 3&&, Maryland; 4%%, Massachusetts; 2%%, New York; 7%%, 1&, Nova Scotia (Canada); 11%%, 5&&, Quebec (Canada); 3%%, Ontario (Canada); 2%%, British Columbia (Canada).
- Mycomya pyriformis*** Väisänen, 1984, Acta ent. fenn. 177: 222. CANADA.
 Holotype %: Old Chelsea, Que., 8.VIII.1961, J.R. Vockeroth/Holotype *Mycomya pyriformis* Väisänen, CNC No. 19431/Holotype *Mycomya pyriformis* % n.sp. Väisänen, 1984/*Mycomya pyriformis* % Väis. det. R. Väisänen 1982.
 Paratypes: 1% New Brunswick; 1% Quebec; 2%%, Ontario.
- Mycomya safena*** Väisänen, 1984, Acta ent. fenn. 177: 133. USA.
 Paratypes: 1% New York; 2%%, New Brunswick (Canada); 6%%, Quebec (Canada); 1%, Manitoba (Canada), CNC No. 19435.
- Mycomya saga*** Väisänen, 1984, Acta ent. fenn. 177: 128. USA.
 Paratypes: 4%%, British Columbia (Canada); 1%, Northwest Territories (Canada), CNC No. 19444.
- Mycomya shermani*** Garrett, 1924, Insecutor Inscit. menstr. 12: 66. CANADA.
 Lectotype %: Michel, B.C., 1.IX./C. Garrett Collector/5277/Hypo slide/Lectotype *Mycomya shermani* Väisänen, CNC No. 7833/Holotype *Mycomya shermani* Väisänen, CNC No. 7833/Holotype *Mycomya shermani* % C. Garrett, C.B.D. Garrett/My. *shermani*/Lectotypus *Mycomya shermani* % Garrett.
 Paralectotype: 1%, British Columbia.
 Remarks: For lectotype designation see Väisänen (1984, p. 180). The terminalia of the lectotype are mounted on microscope slide No. 5277.
- Mycomya shewelli*** Väisänen, 1984, Acta ent. fenn. 177: 77. CANADA.
 Holotype %: Hyndman L., N.W.T., 68E15N., 131E03W., 1.VIII.1969, G.E. Shewell/Holotype *Mycomya shewelli* Väisänen, CNC No. 19441/Holotype *Mycomya shewelli* % n.sp. Väisänen, 1984/*Mycomya shewelli* % R. Väisänen det. 1981.
 Paratypes: 4%%, 2&&, Manitoba.
 Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with specimen. The remainder of abdomen is glued to the locality label. Both antennae are missing from the holotype.
- Mycomya terminata*** Garrett, 1924, Insecutor Inscit. menstr. 12: 60. CANADA.
 Paralectotypes: 3%%, 1&, British Columbia, CNC No. 7925.
 Remarks: For lectotype designation see Väisänen (1984, p. 125). There are 2 additional specimens labeled as paratypes, but they are from localities not mentioned in the original description.
- Mycomya thula*** Väisänen, 1984, Acta ent. fenn. 177: 64. USA.
 Holotype %: Unalakleet, Alaska, 15.VII.61, B.S. Heming/Holotype *Mycomya thula* Väisänen, CNC No. 19442/Holotype *Mycomya thula* % n.sp. Väisänen, 1984.
 Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with specimen.
- Mycomya ultima*** Väisänen, 1984, Acta ent. fenn. 177: 13. CANADA.
 Holotype %: Eureka, N.W.T., Ellesmere I., 3.VIII.1963, J.R. Vockeroth/Holotype *Mycomya ultima* Väisänen, CNC No. 19452/Holotype *Mycomya ultima* % n.sp. Väisänen, 1984.
 Paratypes: 28%%, 6&&, Northwest Territories.
- Mycomya vulgaris*** Garrett, 1924, Insecutor Inscit. menstr. 12: 63. CANADA.
 Lectotype %: Fernie, B.C., 22.VII./C. Garrett Collector/Lectotype *Mycomya vulgaris* desig. Väisänen, CNC No. 7828/Holotype *Mycomya* [sic] *vulgaris* % C. Garrett, C.B.D.

- Garrett/Lectotypus *Mycomya vulgaris* % Garrett.
 Paralectotype: 46% 5&&, British Columbia.
 Remarks: For lectotype designation see Väisänen (1984, p. 190). The right wing of one male paralectotype is mounted on microscope slide No. 182.
- Mycomya woodi*** Väisänen, 1984, Acta ent. fenn. 177: 145. USA.
 Holotype %: Mt. Katahdin, ME., 4.VII.1968, D.M. Wood, Abol./Holotype *Mycomya woodi* Väisänen, CNC No. 19453/Holotype *Mycomya woodi* % n.sp. Väisänen, 1984.
 Remarks: The terminalia of the holotype are dissected and stored in glycerine in a plastic microvial pinned with the specimen.
- Neuratelia abrevena*** Garrett, 1925, Seventy new Diptera, p. 11. CANADA.
 Syntypes: 1% 1&, CNC No. 7881.
 "%"; Marysville, B.C., 1.VIII., C. Garrett/
 Holotype *Neuratelia abrevena* [sic] % C.B.D. Garrett.
 "&"; Marysville, B.C., 1.VIII., C. Garrett/
 Allotype *Neuratelia abrevena* [sic] & C.B.D. Garrett.
 Remarks: In the original description Garrett indicates type with number 170, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I have considered both specimens as syntypes.
- Neuratelia grandis*** Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.
 Holotype %: Marysville, B.C., 10.VII.24, C. Garrett/Holotype *Neuratelia grandis* Garrett, CNC No. 7852/Holotype *Neuratelia grandis* % Garrett, C.B.D. Garrett.
 Allotype &: Same data as holotype.
 Paratypes: 3% 3&, British Columbia.
- Neuratelia obscura*** Garrett, 1925, Sixty-one new Diptera, p. 5. CANADA.
 Holotype %: Cranbrook, B.C., 20.VII./C. Garrett Collector/Holotype *Neuratelia obscura* Garrett, CNC No. 7851/Holotype *Neuratelia obscura* Garrett, C.B.D. Garrett.
- Odontopoda distincta*** Garrett, 1925, Sixty-one new Diptera, p. 4. CANADA.
 Holotype %: Agassiz, B.C., 3.VI.17, 1655/
 Holotype *Odontopoda distincta* Garrett, CNC No. 7850/Monotype *Odontopoda distincta* Garrett, C.B.D. Garrett.
- Orfelia (Ralytupa) insidiosa*** Matile, 1974, Bull. Inst. fond. Afr. noire (1973) 35(A): 943. CAMEROON.
 Paratypes: 2% 2&, Nigeria, CNC No. 17048.
 Remarks: Both paratypes have the apical portion of the abdomen and terminalia stored in glass microvials pinned with the specimen.
- Parempheria lobayensis*** Matile, 1973, Stuttg. Beitr. Naturk. 250: 3. CENTRAL AFRICAN REPUBLIC.
 Paratype: 1% 1&, Central African Republic, CNC No. 17052.
 Remarks: The nominal year for publication of Matile's description is 1972, but according to Matile (1980, p. 225) and Smith, *et al.* (1980, p. 1073) the actual year of publication is 1973.
- Phronia agilis*** Gagné, 1975, Trans. Am. ent. Soc. 101: 244. CANADA.
 Holotype %: North Fork Pass, Ogilvie Mts. Y.T., 4100' 13.VI.1962, R.E. Leech/Holotype *Phronia agilis* Gagné, CNC No. 17118/
 Holotype *Phronia agilis* Gagné.
 Paratypes: 1% 1&, Northwest Territories; 6% 6&, Yukon Territory; 1% 1&, Alaska (USA).
 Remarks: The abdomen of the holotype and each paratype is in glycerine in a glass microvial pinned with the specimen.
- Phronia avida*** Gagné, 1975, Trans. Am. ent. Soc. 101: 244. USA.
 Paratypes: 14% 14&, British Columbia (Canada), CNC No. 17118.
 Remarks: The abdomen of one paratype is stored in a glass microvial pinned with the specimen.
- Phronia cupida*** Gagné, 1975, Trans. Am. ent. Soc. 101: 255. USA.
 Paratype: 1% 1&, Tennessee, CNC No. 17114.
 Remarks: The abdomen is in a glass microvial pinned with the specimen.
- Phronia dryas*** Gagné, 1975, Trans. Am. ent. Soc. 101: 259. USA.
 Paratype: 1% 1&, Quebec (Canada), CNC No. 17115.
- Phronia effusa*** Gagné, 1975, Trans. Am. ent. Soc. 101: 260. USA.
 Paratype: 1% 1&, Idaho, CNC No. 17116.
- Phronia oreas*** Gagné, 1975, Trans. Am. ent. Soc. 101: 282. USA.
 Paratypes: 7% 7&, British Columbia (Canada), CNC No. 17119.
- Phronia terrea*** Gagné, 1975, Trans. Am. ent. Soc. 101: 293. CANADA.
 Holotype %: Summit Lake, B.C., Mi. 392 Alaska Hwy., 2-4.VII.1959, 4500' R.E. Leech/
 Holotype *Phronia terrea* Gagné, CNC No. 17120/Holotype *Phronia terrea* Gagné.
 Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.
- Platyroptilon inca*** Duret, 1979, Revta Soc. ent. argent. 38(1-4): 76. PERU.
 Holotype %: Quincemil, Cuzco, PERU, 700 m. 15-30.X.62, Pena/Holotype *Platyroptilon inca* Duret, CNC No. 19417/Holotypus/C280/
Platyroptilon inca sp.n. J.P. Duret, Det. 1979.
 Remarks: The left wing, left antenna, and terminalia are mounted between two pieces of glass on three separate mounts pinned with the specimen.
- Platyroptilon lanei*** Duret, 1979, Revta Soc. ent. argent. 38(1-4): 76. ECUADOR.
 Holotype %: Coca, Napo R., Napo, EUCADOR V.1965, 250 m, L. Pena/Holotype *Platyroptilon lanei* Duret, CNC No. 19415/
 Holotypus/C286/*Platyroptilon lanei* sp.n. J.P. Duret, Det. 1979.
 Remarks: The terminalia, left wing, and antenna are mounted between two pieces of glass; the mount is pinned with the specimen.
- Platyroptilon penai*** Duret, 1979, Revta Soc. ent. argent. 38(1-4): 75. PERU.
 Holotype %: Avispas, Madre de Dios, PERU, 1-15.X.1962, L. Pena, 400 m/Holotype

Platyroptilon penai Duret, CNC No. 19418/Holotyphus/C278/ Platyroptilon penai sp.n. J.P. Duret, Det. 1979.

Remarks: The left wing, left antenna, and terminalia are mounted between two pieces of glass on three separate mounts pinned with the specimen.

Platyroptilon vockerothi Duret, 1979, Revta Soc. ent. argent. 38(1-4): 75. PERU.

Holotype %: Quincemil Cuzco, PERU, 13-31.VIII.62, L. Pena, 780 m./Holotype Platyroptilon vockerothi Duret, CNC No. 19418/Holotyphus/C281/Platyroptilon vockerothi sp.n. J.P. Duret, Det. 1979.

Paratype: 1% Peru.

Remarks: The left wing, left antenna, and terminalia of the holotype are mounted between two pieces of glass on three separate mounts pinned with the specimen.

Ralytupa angusta Matile, 1975, Anns. Soc. ent. Fr. (N.S.) 11(1): 184. SIERRA LEONE.

Paratypes: 6%, 3&&, Nigeria, CNC No. 17046.

Remarks: Eight of nine paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.

Ralytupa compacta Matile, 1975, Anns. Soc. ent. Fr. (N.S.) 11(1): 189. NIGERIA.

Holotype %: Ibadan, Nigeria, 8.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype Ralytupa compacta, Matile, CNC No. 17047/Orfelia (Ralytupa) compacta n.sp. % holotype det. L. Matile, 1973.

Paratype: 1% Nigeria.

Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in a glass microvial pinned with the specimen.

Ralytupa nasuta Matile, 1975, Anns. Soc. ent. Fr. (N.S.) 11(1): 209. NIGERIA.

Holotype %: Ibadan, Nigeria, 11.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype Ralytupa nasuta Matile, CNC No. 17049/Orfelia (Ralytupa) nasuta n.sp. % holotype, det. L. Matile 1973.

Allotype &: Same data as holotype except 8.VII.1962.

Paratypes: 6%, Nigeria.

Remarks: The apical portion of the abdomen and terminalia of the holotype, allotype, and one paratype, are stored in glass microvials pinned with the specimen.

Ralytupa simplicistyla Matile, 1975, Anns. Soc. ent. Fr. (N.S.) 11(1): 212. UGANDA.

Holotype %: Entebbe, Uganda, 16.X.1971, Lakeside swamp, H. Falke/Holotype/Holotype Ralytupa simplicistyla Matile, CNC No. 17050/Orfelia (Ralytupa) simplicistyla n.sp. % holotype, det. L. Matile 1973.

Allotype &: Same data as holotype except, 9.XI.1971, Malaise trap.

Remarks: The apical portion of the abdomen and terminalia of the holotype and allotype are stored in glass microvials pinned with the respective specimen.

Ralytupa subminor Matile, 1975, Anns. Soc. ent. Fr. (N.S.) 11(1): 214. NIGERIA.

Holotype %: Ibadan, Nigeria, 12.VII.1962, Malaise trap, D.C. Eidt/Holotype/Holotype Ralytupa subminor Matile, CNC No. 17051/Orfelia (Ralytupa) subminor n.sp. % holotype, det. L. Matile 1973.

Allotype &: Same data as holotype.

Paratype: 81%, 7&&, Nigeria.

Remarks: The apical portion of the abdomen and terminalia of the holotype, allotype, and 8 paratypes, are stored in glass microvials pinned with the specimen.

Rhymosia brevicornis Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 19. CANADA.

Holotype % Van., B.C., 28.4.17, 928/Type/Rhymosia brevicornis % R.S. Sherman, CNC No. 7957.

Remarks: This species was apparently described from a single male specimen which may be considered the holotype.

Rhymosia faceta Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 18. CANADA.

Syntypes: 3 %, CNC No. 7954.

"%"; Van., B.C., 11.2.17, 105/Type/Rhymosia faceta % R.S. Sherman/Syntype Rhymosia faceta Sherman, CNC No. 7954.

"%"; Van., B.C., 12.2.17, 112/Rhymosia faceta % R.S. Sherman/Syntype Rhymosia faceta Sherman, CNC No. 7954.

"%"; Van., B.C., 5.3.17, 176/Rhymosia faceta % R.S. Sherman/Syntype Rhymosia faceta Sherman, CNC No. 7954.

Remarks: Since no holotype was designated in the original description, the three specimens in the type series are syntypes.

Rhymosia pectinata Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 19. CANADA.

Syntype: 1 % Savary Id., [B.C.] 9.4.17, 398/Type/Rhymosia pectinata % R.S. Sherman, CNC No. 7956.

Remarks: The original description does not clearly indicate how many specimens Sherman had before him. There is only one specimen present in the CNC at this time; I consider it to be a syntype.

Rhymosia plumosa Van Duzee, 1928, Proc. Calif. Acad. Sci. Ser. 4, 17(2): 49. USA.

Paratype: 1% California, CNC No. 17088.

Rhymosia prolixa Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 18. CANADA.

Syntypes: 5%, CNC No. 7953.

"2 %": Savary Id., B.C., 8.7.17/Rhymosia prolixa % R.S. Sherman/Syntype Rhymosia prolixa Sherman, CNC No. 7953.

"3 %": Savary Id., [B.C.] 15.4.17, 718, 736, 738/Rhymosia prolixa % R.S. Sherman/Syntype Rhymosia prolixa Sherman, CNC No. 7953.

Remarks: Since no holotype was selected in the original description, all five specimens in the type series are syntypes.

Rhymosia seminigra Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 18. CANADA.

Syntypes: 1% 2&&, CNC No. 7955.

"%"; Van., B.C., 29.3.18/Type/Rhymosia seminigra % R.S. Sherman/Syntype Rhymosia seminigra Sherman, CNC No. 7955.

"&"; Van., B.C., 29.3.18/Rhymosia seminigra & R.S. Sherman/Syntype Rhymosia seminigra Sherman, CNC No. 7955.

"&"; Van., B.C., 20.X.17/Rhymosia seminigra & R.S. Sherman/Syntype seminigra Sherman, CNC No. 7955.

Remarks: Since no holotype was selected in the original description, all six specimens in the type series are syntypes.

Robsonomyia reducta Matile & Vockeroth, 1980, Can. Ent. 112: 548. CANADA.

Holotype %: Robson, B.C., 3.VII.1947, H.R. Foxlee/Holotype Robsonomyia reducta M.&V., CNC No. 16078/Slide JRV., 29.VII.76.

Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen. The head and left wing of the holotype are mounted on a microscope slide.

Sceptonia autumnalis Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Syntypes: 2%%, CNC No. 7905.

"%"; Cranbrook, B.C., 7.IX.21/C. Garrett Collector/hypo 5543/Holotype Sceptonia autumnalis % C.B.D. Garrett.

"%"; Marysville, B.C., 1.VIII., C. Garrett/hypo 5213/Paratype Sceptonia autumnalis % C.B.D. Garrett.

Remarks: In the original description *autumnalis* is spelled *autumnals*, (corrected Stone *et al.* 1965). In the original description Garrett indicates type with number 197, Garrett Collection. The specimen labeled as holotype has no number associated with it; therefore I consider both specimens syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 5543.

Sceptonia johannseni Garrett, 1925, Seventy new Diptera, p. 15. CANADA.

Syntypes: 8%%, 8&&, CNC No. 7904.

"%"; Marysville, B.C., 14.VII., C.

Garrett/5255 hypo/Holotype Sceptonia johannseni Garrett, C.B.D. Garrett.

"%"; Marysville, B.C., 14.VII., C.

Garrett/5264 hypo/Paratype Sceptonia johannseni Garrett, C.B.D. Garrett.

"%"; Marysville, B.C., 14.VII., C.

Garrett/5250 hypo/Paratype Sceptonia johannseni Garrett, C.B.D. Garrett.

"2%"; Marysville, B.C., 14.VII., C.

Garrett/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.

"3&&"; Marysville, B.C., 14.VII., C.

Garrett/Sceptonia johannseni C. Garrett, C.B.D. Garrett.

"%"; Marysville, B.C., 1.VIII., C. Garrett/5214 hypo/Paratype Sceptonia johannseni C.

Garrett, C.B.D. Garrett.

"%"; Marysville, B.C., 1.VIII., C.

Garrett/521Y hypo/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett/Slide H.C.W. 10.XII.76, No. F.

"&"; Marysville, B.C., 1.VIII., C.

Garrett/Alotype Sceponia johannsoni & [sic] C. Garrett, C.B.D. Garrett.

"&"; Marysville, B.C., 1.VIII., C.

Garrett/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.

"%"; Cranbrook, B.C., 1.VI.24/C. Garrett

Collector/5546 hypo/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.

"&"; Cranbrook, B.C., 20.VII./C. Garrett

Collector/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.

"2&&"; Cranbrook, B.C., 10.VII./C. Garrett

Collector/Paratype Sceponia johannseni C. Garrett, C.B.D. Garrett.

Remarks: Since no holotype was indicated in the description, all 35 specimens in the type series (Type no. 186, Garrett Collection) are syntypes. However, Garrett labeled a male, Marysville, B.C., July 14 (slide No. 5253 hypo) as Holotype. There are six specimens from the type series with the terminalia mounted on microscope slides. All syntypes are mounted on paper points.

Sciophila admiranda Zaitzev, 1982, Nauka 1982: 20. NEPAL.

Holotype %: NEPAL, Ktmd. Godavari, 5000',

15.IV.1967, Can. Nepal Exped./Holotype

Sciophila admiranda Zaitzev, CNC No.

19410/Holotypus Sciophila admiranda sp.n.

det. A. Zaitzev '80.

Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.

Sciophila arizonensis Zaitzev, 1982, Nauka 1982: 21. USA.

Paratypes: 2%%, Ontario (Canada); 1% British

Columbia (Canada), CNC No. 19409.

Remarks: The terminalia of the three paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

Sciophila canadensis Zaitzev, 1982, Nauka 1982: 25.

CANADA.

Holotype %: Bailey Point, Melville Is., N.W.T.,

27.VII.1965, J.E.H. Martin/Holotype

Sciophila canadensis Zaitzev, CNC No.

19408/Holotypus % Sciophila canadensis sp.n.

det. A. Zaitzev 1980.

Paratypes: 10%%, Northwest Territories: 1%

Yukon Territory.

Remarks: The terminalia of holotype and 3 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

Sciophila conformis Zaitzev, 1982, Nauka 1982: 27.

CANADA.

Holotype %: N.W.T. 21 m.e. Tuktoyaktuk,

17-21.VII.71, D.M. Wood/Holotype Sciophila

conformis Zaitzev, CNC No. 19407/

Holotypus % Sciophila conformis sp.n. det.

A. Zaitzev 1980.

Paratypes: 5%%, Northwest Territories.

Remarks: The terminalia of the holotype and 5 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.

Sciophila emarginata Zaitzev, 1982, Nauka 1982: 29.

CANADA.

Holotype %: Canot Casse Rap, 64E14N. 99E27W.,

20.VIII.66, N.W.T., J.G. Chillcott/Holotype

Sciophila emarginata Zaitzev, CNC No.

19406/Holotypus % Sciophila emarginata sp.n.

det. A. Zaitzev '80.

Paratypes: 1% British Columbia; 6% Northwest Territories; 1% Yukon Territory; 1% Alaska (USA).

Remarks: The terminalia of the holotype and 9 paratypes are dissected and mounted between

two pieces of plastic pinned with the specimen.

- Sciophila exserta* Zaitzev, 1982, Nauka 1982: 29. CANADA.
Holotype % Clyde, Gaffin [sic] Is., N.W.T., 4.VII.1958, G.E. Shewell/Holotype *Sciophila exserta* Zaitzev, CNC No. 19405/Holotypus % *Sciophila exserta* sp.n. det. A. Zaitzev, 1980.
Paratypes: 21% Northwest Territories; 5% Yukon Territory.
Remarks: The terminalia of the holotype and 25 of 26 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen. There are 3 additional specimens labeled as paratypes, but they are from localities not mentioned in the original description.
- Sciophila festiva* Zaitzev, 1982, Nauka 1982: 31. CANADA.
Holotype % Masik Riv., Banks I., N.W.T., 13.VII.1968, W.R.M. Mason/Holotype *Sciophila festiva* Zaitzev, CNC No. 19404/Holotypus % *Sciophila festiva* sp.n. det. A. Zaitzev 1980.
Paratype: 1% Northwest Territories.
Remarks: The terminalia of the holotype and paratype are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila iowensis* Zaitzev, 1982, Nauka 1982: 42. USA.
Paratypes: 1% Maryland; 2% Quebec (Canada), CNC No. 19403.
Remarks: The terminalia of the 3 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila karelica* Zaitzev, 1982, Nauka 1982: 43. USSR.
Paratype: 1% Yukon Territory (Canada), CNC No. 19402.
Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila laffooni* Zaitzev, 1982, Nauka 1982: 45. USA.
Paratype: 1% Quebec (Canada), CNC No. 19401.
Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila minuta* Zaitzev, 1982, Nauka 1982: 47. CANADA.
Holotype % Masham Twp., Que., Gatineau Co., 22-26.VI.1974, D.M. Wood/Holotype *Sciophila minuta* Zaitzev, CNC No. 19401/Holotypus % *Sciophila minuta* sp.n. det. A. Zaitzev 1980.
Paratype: 1% Ontario.
Remarks: The terminalia of the holotype and paratype are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila modesta* Zaitzev, 1982, Nauka 1982: 49. CANADA.
Holotype % Masham Twp., Que., Gatineau Co., 15.VII.1974, D.M. Wood/Holotype *Sciophila modesta* Zaitzev, CNC No. 19399/Holotypus % *Sciophila modesta* sp.n. det. A. Zaitzev 1980.
Paratypes: 1% Ontario; 7% Quebec; 1% Alberta; 1% Yukon Territory.
Remarks: The terminalia of the holotype and 10 paratypes are dissected and mounted between

two pieces of plastic pinned with the specimen.

- Sciophila montana* Zaitzev, 1982, Nauka 1982: 50. USA.
Holotype % Doolittle Ranch, 9800' Mt. Evans, COLO., 6.VIII., J.G. Chillcott '61/In poplar woods/Holotype *Sciophila montana* Zaitzev, CNC No. 19395/Holotypus % *Sciophila montana* sp.n. det. A. Zaitzev 1980.
Remarks: The terminalia of the holotype are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila nepalensis* Zaitzev, 1982, Nauka 1982: 51. NEPAL.
Holotype % 28E00'N. 85E00'E. Mal. tr. 7, 9900' 20 May 1967, Can. Nepal Exped./Holotype *Sciophila nepalensis* Zaitzev, CNC No. 19398/Holotypus % *Sciophila nepalensis* sp.n. det. Zaitzev 1980.
Paratypes: 3% Nepal.
Remarks: The terminalia of the holotype are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila parahebes* Zaitzev, 1982, Nauka 1982: 56. CANADA.
Holotype % Indian House L., Que., 26.VII.1954, W.R. Richards/Holotype *Sciophila parahebes* Zaitzev, CNC No. 19393/Holotypus % *Sciophila parahebes* sp.n. det. A. Zaitzev 80.
Paratype: 1% Quebec.
Remarks: The terminalia of the holotype and paratype are mounted between two pieces of plastic pinned with the specimen.
- Sciophila pluridentata* Zaitzev, 1982, Nauka 1982: 58. CANADA.
Holotype % N.W.T. 21 m.e. Tuktoyaktuk, 20-25.VI.71, D.M. Wood/Holotype *Sciophila pluridentata* Zaitzev, CNC No. 19394/Holotypus % *Sciophila pluridentata* sp.n. det. Zaitzev '80.
Paratypes: 14% Northwest Territories; 2% Greenland.
Remarks: The terminalia of the holotype and 9 paratypes are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila propria* Zaitzev, 1982, Nauka 1982: 59. NEPAL.
Holotype % 27E56'N. 85E00'E. Mal. tr. 9, 9900' 22 May 1967, Can. Nepal Exped./Holotype *Sciophila propria* Zaitzev, CNC No. 19397/Holotypus % *Sciophila propria* sp.n. det. A. Zaitzev 1980.
Paratypes: 2% Nepal.
Remarks: The terminalia of the holotype are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila septentrionalis* Zaitzev, 1982, Nauka 1982: 62. CANADA.
Holotype % North Fork Crossing, Mi 43, Peel Plt. Rd., 3500' 4.VII.1962, P.J. Skisko, Y.T./Holotype *Sciophila septentrionalis* Zaitzev, CNC No. 19392/Holotypus % *Sciophila septentrionalis* sp.n. det. A. Zaitzev 1980.
Paratypes: 2% Yukon Territory.
Remarks: The terminalia of the holotype and both paratypes are mounted between two pieces of plastic pinned with the specimen.

- Sciophila sublimbatella* Zaitzev, 1982, Nauka 1982: 65. USA.
Paratype: 1%, Vermont, CNC No. 19396.
Remarks: The terminalia are dissected and mounted between two pieces of plastic pinned with the specimen.
- Sciophila vernicosa* Zaitzev, 1982, Nauka 1982: 68. NEPAL.
Holotype %: 27°E56'N, 85°E00'E., Mal. tr. 9, 9900', 28 May 1967, Can. Nepal Exped./Holotype
Sciophila vernicosa Zaitzev, CNC No. 19332/
Holotypus % Sciophila vernicosa sp.n., det. A. Zaitzev.
Remarks: The terminalia of the holotype is mounted between two pieces of plastic pinned with the specimen.
- Sciophila vockerothi* Zaitzev, 1982, Nauka 1982: 69. USA.
Holotype %: Gr. Smoky Mt. Nat. Pk., Tenn., 18.V.1957, J.R. Vockeroth/Greenbrier Cove 2000'/Holotype Sciophila vockerothi Zaitzev, CNC No. 19333/Holotypus % Sciophila vockerothi sp.n. det. A. Zaitzev 1980.
Paratype: 1%, Ontario (Canada).
Remarks: The terminalia of the holotype and paratype have the terminalia mounted between two pieces of plastic pinned with the specimen.
- Stenophragma andina* Duret, 1979, Neotropica 25(74): 141. ECUADOR.
Holotype %: Cerro Pelado Carchi, ECUADOR, 25.VI.1965, 3200 m, L. Pena/Holotype Stenophragma andina Duret, CNC No. 19419/Holotipo/C208/Stenophragma andina sp.n. J.P. Duret Det. 1979.
Remarks: The left wing and terminalia of the holotype are mounted between two pieces of glass on separate mounts pinned with the specimen.
- Symmerus coquila* Garrett, 1925, Sixty-one new Diptera, p. 12. CANADA.
Holotype &: Cranbrook, B.C., 27.VII./Collector C. Garrett/Holotype Symmerus coquila Garrett, CNC No. 7880/Monotype Symmerus coquila Garrett, Cul Branch, C.B.D. Garrett.
Remarks: Most of the right antennae is missing from the type.
- Symmerus fuscicaudatus* Saigusa, 1973, Sieboldia 4(3): 189. JAPAN.
Paratype: 1%, Japan, CNC No. 17000.
- Symmerus (Psilosymmerus) nepalensis* Munroe, 1974, Mem. ent. Soc. Can. 92: 33. NEPAL.
Holotype %: Nepal, Ktm. Godavari, 6000' 3 Aug 1967, Can. Nepal Expd./Holotype Symmerus nepalensis D. Munroe, CNC No. 12966.
Paratype: 1%, Nepal.
Remarks: The apical portion of the abdomen and terminalia of the holotype and paratype are stored in glass microvials pinned with the specimen. The left wing of paratype is mounted on microscope slide No. DDM-A-31.
- Symmerus (Psilosymmerus) uncatu* Munroe, 1974, Mem. ent. Soc. Can. 92: 30. USA.
Paratype: 1% (slide of right wing only, No. DDM-A-30).
- Symmerus (Psilosymmerus) vockerothi* Munroe, 1974, Mem. ent. Soc. Can. 92: 29. CANADA.
Holotype %: King Mtn., Old Chelsea, Que., 1000' 1.VIII.69, Malaise trap D.D. Munroe/5-8/
Holotype Symmerus vockerothi D. Munroe, CNC No. 12967.
Paratypes: 19%%, Quebec; 7%%, Ontario; 1% Georgia (USA).
Remarks: The apical portion of the abdomen and terminalia of the holotype and three paratypes are stored in glass microvials pinned with the specimen. The right wing of one paratype is mounted on microscope slide DDM-A-29. The left wing of one paratype is mounted on a microscope slide.
- Syndocosia pan* Matile, 1976, Bull. Inst. fond. Afr. noire (1975) 37(A): 692. CENTRAL AFRICAN REPUBLIC.
Paratypes: 1%, 1%, Central African Republic, CNC No. 17053.
- Tetragoneura arcuata* Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 20. CANADA.
Syntypes: 1%, 3&&, CNC No. 7961.
"%"; Caulfields, B.C., 16.VI.17/
Type/Tetragoneura arcuata % R.S.
Sherman/Syntype Tetragoneura arcuata Sherman, CNC No. 7961.
"&"; Caulfields, B.C., 24.V.17, 1495/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura arcuata & R.S.
Sherman/Syntype Tetragoneura arcuata Sherman, CNC No. 7961.
"2&&"; Stanley Park, B.C., 20.V.17, 1341, 1362/Paratype/Tetragoneura arcuata & R.S. Sherman.
Remarks: Since no holotype was indicated in the original description, all five specimens in the type series are syntypes.
- Tetragoneura atra* Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 19. CANADA.
Syntypes: 1%, 1&, CNC No. 3958.
"%"; Seymour Ck., [B.C.] 19.5.17, 1296/Type/Tetragoneura atra % R.S.
Sherman/Syntype Tetragoneura atra Sherman, CNC No. 3958.
"&"; Van., B.C., 28.4.17, 994/Type &/Tetragoneura atra & R.S. Sherman/ Syntype Tetragoneura atra Sherman, CNC No. 3958.
Remarks: Since no holotype was indicated in the description, all 3 specimens in the type series are syntypes. Both male and female specimens in the CNC have the left wing missing.
- Tetragoneura fallax* Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 20. CANADA.
Syntypes: 13%%, 17&&, CNC No. 7960.
"2%"; Savary Id., [B.C.] 11.4.17, 653, 704/Paratype/Tetragoneura fallax % R.S. Sherman/Slide H.C.W. 7.XII.76, No. J. "%"; Savary Id., [B.C.] 7.4.17, 290/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura fallax % R.S. Sherman. "%"; Savary Id., [B.C.] 9.4.17, 383/Paratype/Tetragoneura fallax % R.S. Sherman.
"2%"; Capilano, B.C., 3.4.18/Type see letter, C.B.D. Garrett/ Tetragoneura fallax % R.S. Sherman.
"%"; Caulfields, B.C., 24.V.17, 1472/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura fallax % R.S. Sherman. "%"; Van., B.C., 28.4.17, 1005/Paratype/Type see letter, C.B.D. Garrett/Tetragoneura fallax % R.S. Sherman.

"%"; Van., B.C., 28.IV.18/Type see letter, C.B.D. Garrett/Tetragoneura fallax % R.S. Sherman.
 "%"; Van., B.C., 22.4.17, 876/Type/Tetragoneura fallax % R.S.S.
 "%"; Van., B.C., 26.4.17, 1236/Paratype/Tetragoneura fallax % R.S. Sherman.
 "%"; Victoria, B.C., 24.IV.16/Paratype/Tetragoneura fallax % R.S. Sherman.
 "%"; Savary Id., B.C., 16.12.17, 3034/Paratype/Type see letter, C.B.D. Garrett/very wide cell Tetragoneura fallax % R.S. Sherman.
 "10&&"; Stanley Park, B.C., 20.V.17, 1314, 1324, 1335, 1338, 1350, 1353, 1354, 1355, 1358, 1367/Paratype/Tetragoneura fallax & R.S. Sherman.
 "4&&"; Van., B.C., 28.4.17, 927, 949, 986, 992/Paratype/Tetragoneura fallax & R.S. Sherman.
 "2&&"; Caulfields, B.C., 5.5.17, 1083, 1085/Paratype/Tetragoneura fallax & R.S. Sherman.
 "&"; Savary Id., [B.C.] 10.4.17, 491.
 "&"; Van., B.C., 22.4.17, 870/Paratype/Tetragoneura fallax & R.S. Sherman.
 Remarks: Since no holotype was indicated in the description, all forty specimens in the type series are syntypes. One syntype has the left wing permanently mounted on a microscope slide.

Tetragoneura marceda Sherman, 1921, Proc. ent. Soc. Br. Columb. (1920) 16: 20. CANADA.
 Syntypes: 19%&, 3&&, CNC No. 7957.
 "%"; Savary Id., [B.C.] 15.4.17, 765/Type/Tetragoneura Marceda % R.S. Sherman.
 "%"; Savary Id., [B.C.] 7.4.17, 324/Paratype/Type, see letter, C.B.D. Garrett/One R.2.3 absent, Tetragoneura marceda % R.S. Sherman.
 "%"; Savary Id., [B.C.] 7.4.17, 329/Type normal Tetragoneura marceda % Sherman, C.B.D. Garrett.
 "3%&"; Savary Id., B.C., 7.4.17/Type, see letter, C.B.D. Garrett/R.2.3 absent, Tetragoneura marceda % R.S. Sherman.
 "2%&"; Savary Id., [B.C.] 11.4.17, 664, 669/Type, see letter, C.B.D. Garrett/One R.2.3 absent Tetragoneura marceda % R.S. Sherman.
 "6%&"; Savary Id., [B.C.] 7.4.17, 486, 473, 520, 598, 600, 616/Type see letter, C.B.D. Garrett/R.2.3 absent, Tetragoneura marceda % R.S. Sherman.
 "%"; Savary Id., [B.C.] 9.4.17, 405/Type see letter, C.B.D. Garrett/R.2.3 absent Tetragoneura marceda % Sherman.
 "4%&"; Savary Id., [B.C.] 15.4.17, 733, 742, 758, 759/Type see letter, C.B.D. Garrett/R.2.3 absent, Tetragoneura marceda % R.S. Sherman.
 "2&&"; Savary Id., [B.C.] 10.4.17, 573, 463/Tetragoneura marceda & R.S. Sherman.
 "&"; Stanley Park, B.C., 20.V.17, 1393/Type see letter, C.B.D. Garrett/2 cells R absent, Tetragoneura marceda & R.S. Sherman.
 Remarks: Since no holotype was indicated in the original description, all 35 specimens in the type series are syntypes.

Tetragoneura robur Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.

Holotype %: Cranbrook, B.C., 29.IV./C. Garrett Collector/Holotype Tetragoneura robur Garrett, CNC No. 7874/Holotype Tetragoneura robur % Garrett, C.B.D. Garrett.
 Allotype &: Same data as holotype.
 Paratypes: 3%&, British Columbia.
 Remarks: One paratype has a label (5479 hypo) indicating there is a slide, but I have not been able to locate this slide.

Tetragoneura similis Garrett, 1925, Sixty-one new Diptera, p. 8. CANADA.
 Holotype %: Cranbrook, B.C., 2.X./C. Garrett Collector/Holotype Tetragoneura similis Garrett, CNC No. 7873/Holotype Tetragoneura similis Garrett, C.B.D. Garrett.
 Allotype &: Same data as holotype, except July 4.
 Paratype: 3&&, British Columbia.
 Remarks: In Garrett's original description of *T. similis* the name *Tetragoneura similis* was misspelled as *Tetragoneura similas*.

Trichonta amica Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638, 14. CANADA.
 Holotype %: Old Chelsea, Que., 18.VII.1961, J.R. Vockeroth/Holotype Trichonta amica Gagné, CNC No. 17089/CNC/Holotype Trichonta amica Gagné.
 Paratypes: 4%&, Quebec; 4%&, Ontario; 1% Alberta; 1% New York (USA).
 Remarks: There are three additional specimens labeled as paratypes, but they were collected from a locality not mentioned in the original description. The abdomens of the holotype and five paratypes are in glass microvials pinned with the specimen.

Trichonta beata Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 15. USA.
 Paratypes: 1% North Carolina; 3%&, Quebec (Canada). CNC No. 17090.

Trichonta clara Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 17. USA.
 Paratypes: 1% Tennessee; 3%&, 4&&, Quebec (Canada), CNC No. 17091.

Trichonta contenta Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 18. NEPAL.
 Holotype %: Nepal, 27E58'N. 85E00'E., 11000 ft, 7 June 1967, Can. Nepal Exped./Holotype Trichonta contenta Gagné, CNC No. 17092/CNC/Holotype Trichonta contenta Gagné.
 Paratypes: 3%&, Nepal.
 Remarks: The abdomen of the holotype is stored in a glass microvial pinned with type specimen.

Trichonta delicata Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 18. USA.
 Paratypes: 2%&, Quebec (Canada); 1% Ontario (Canada), CNC No. 17093.
 Remarks: There is a female specimen (in copula) pinned on same pin as one paratype.

Trichonta eximia Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 18. USA.
 Paratypes: 16%&, Quebec (Canada); 5%&, Ontario (Canada); 1% Alberta (Canada); 1% British Columbia (Canada); 1% Nepal, CNC No. 17094.

- Remarks: Two paratypes have the abdomens stored in glass microvials pinned with the specimen.
- Trichonta facilis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 19. CANADA.
Holotype %: North Fork Pass, Ogilvie Mts. Y.T., 4100', 21.VI.1962, P.J. Skitsko/Holotype *Trichonta facilis* Gagné, CNC No. 17095/Holotype *Trichonta facilis* Gagné.
Paratypes: 4%%, Sweden.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.
- Trichonta festa* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 19. USA.
Paratypes: 1%, Washington; 1%, 8&&, British Columbia (Canada), CNC No. 17096.
- Trichonta fidelis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 19. NEPAL.
Holotype %: Nepal, 27E57'N. 84E59'E., Mal. tr. 5, 10, 100, 30 May 1967, Can. Nepal Exped./Holotype *Trichonta fidelis* Gagné, CNC No. 17097/CNC/Holotype *Trichonta fidelis* Gagné.
Paratypes: 13%%, 16&&, Nepal.
Remarks: The abdomen of the holotype and one paratype are stored in glass microvials pinned with the specimen.
- Trichonta flebilis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 20. NEPAL.
Holotype %: Nepal, 27E58'N. 85E00'E., 11100 ft, 24 May 1967, Can. Nepal Exped./Holotype *Trichonta flebilis* Gagné, CNC No. 17098/CNC/ Holotype *Trichonta flebilis* Gagné.
Paratypes: 3%%, Nepal.
Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in glass microvials pinned with the specimen.
- Trichonta generosa* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 21. USA.
Paratype: 1%, Alaska, CNC No. 17099.
Remarks: The apical portion of the abdomen and terminalia of the paratype are stored in glass microvials pinned with the specimen.
- Trichonta gentilis* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 21. USA.
Paratype: 1%, Mexico, CNC No. 17100.
Remarks: The abdomen is removed from the paratype; the terminalia are in a glass microvial pinned with the specimen; the remainder of the abdomen is glued to the pin below the specimen.
- Trichonta justa* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 23. USA.
Holotype %: Lily Pond, Alpine Lk., Marin Co., Calif. 1500'/15-XII-70, 9-1-1971, Malaise Trap, D.D. Munroe/Holotype *Trichonta justa* Gagné, CNC No. 17101/CNC/Holotype *Trichonta justa* Gagné.
Paratypes: 3%%, 2&&, California.
Remarks: The abdomen of the holotype and one & paratype are stored in glass microvials pinned with the specimen. The head is missing from the holotype.
- Trichonta languida* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 23. USA.
Paratypes: 1%, Quebec (Canada); 1%, Ontario (Canada), CNC No. 17102.
Remarks: The abdomen of one paratype is stored in a glass microvial pinned with the specimen.
- Trichonta merita* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 24. CANADA.
Holotype %: North Fork Pass, Ogilvie Mts. Y.T., 4100', 21.VI.1962 P.J. Skitsko/Holotype *Trichonta merita* Gagné, CNC No. 17103/CNC/ Holotype *Trichonta merita* Gagné.
Paratypes: 3%%, Yukon Territory.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.
- Trichonta placida* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. MEXICO.
Holotype %: 4.5 mi. E. El Palmito, Sin. Mex. 6300' July 25, 1964, J.F. McAlpine/Holotype *Trichonta placida* Gagné, CNC No. 17104/CNC/Holotype *Trichonta placida* Gagné.
Remarks: The apical portion of the abdomen and terminalia of the holotype are stored in glass microvials pinned with the specimen. The apical portion of both antennae are missing from the type specimen.
- Trichonta pulchra* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. CANADA.
Holotype %: Stittsville, Ont., 21.IX.1963, W.R.M. Mason/Holotype *Trichonta pulchra* Gagné, CNC No. 17105/CNC/Holotype *Trichonta pulchra* Gagné.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen. The apical portion of both antennae and the right wing are missing.
- Trichonta salva* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. USA.
Holotype %: Lily Pond, Alpine Lk., Marin Co., Calif. 1500'/15-XII-70, 9-1-1971, Malaise Trap, D.D. Munroe/Holotype *Trichonta salva* Gagné, CNC No. 17106/CNC/Holotype *Trichonta salva* Gagné.
Remarks: The apical portion of the abdomen and terminalia are stored in glass microvials pinned with the type specimen. The right wing is missing from the type specimen.
- Trichonta segura* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. CANADA.
Holotype %: Horseshoe Bay, B.C. 0-300' 29.V.1961, J.R. Vockeroth/Holotype *Trichonta segura* Gagné, CNC No. 17107/CNC/Holotype *Trichonta segura* Gagné.
Remarks: The abdomen is stored in a glass microvial pinned with the specimen.
- Trichonta sedata* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 25. CANADA.
Holotype %: Mt. Kobau, 6200' Osoyoos, B.C., 13.VIII.1967, J.R. Vockeroth/Holotype *Trichonta sedata* Gagné, CNC No. 17108/CNC/Holotype *Trichonta sedata* Gagné.
Remarks: The apical portion of the abdomen and terminalia of the holotype are in a glass microvial pinned with the specimen. The remainder of the abdomen and the hind legs are glued to the pin below the specimen.

- Trichonta sedula* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 26. USA.
Paratypes: 1% North Carolina; 1% Ontario (Canada), CNC No. 17109.
Remarks: The abdomen of one paratype is in a glass microvial pinned with the specimen.
- Trichonta serena* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 26. CANADA.
Holotype % Apex Mt. 5800' Penticton, B.C., 5.VIII.1967, J.R. Vockeroth/Holotype *Trichonta serena* Gagné, CNC No. 17110/CNC/Holotype *Trichonta serena* Gagné.
Remarks: The abdomen is stored in a glass microvial that is pinned with the type specimen. Both antennae and right wing are missing.
- Trichonta sobria* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 26. NEPAL.
Holotype % 27E56'N. 85E00'E., Mal. tr. 9, 9000' 22 May 1967, Can. Nepal Exped./Holotype *Trichonta sobria* Gagné, CNC No. 17111/CNC/Holotype *Trichonta sobria* Gagné.
Paratype: 1% Nepal.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.
- Trichonta superba* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 27. NEPAL.
Holotype % 28E00'N. 85E00'E. Mal. tr. 7, 9900' 26 May 1967, Can. Nepal Exped./Holotype *Trichonta superba* Gagné, CNC No. 17112/CNC/Holotype *Trichonta superba* Gagné.
Remarks: The apical portion of the abdomen and terminalia are stored in a glass microvial pinned with the specimen. The head is missing from the specimen. The remainder of the abdomen is glued to the pin below the specimen.
- Trichonta valida* Gagné, 1981, U.S. Dep. Agric., Tech. Bull. No. 1638: 27. MEXICO.
Holotype % Mexico, Chis. San Cristobal de Las Casas 7087' 25.V.1969, B.V. Peterson/Holotype *Trichonta valida* Gagné, CNC No. 17113/CNC/ Holotype *Trichonta valida* Gagné.
Paratype: 1% Mexico.
Remarks: The abdomen of the holotype is stored in a glass microvial pinned with the specimen.
- Zygomyia bifasciata* Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 1% 4&&, CNC No. 7900.
"%"; Cranbrook, B.C., 1.VI.24/hypo 1400/Holotype *Zygomyia bifasciata* % C.B.D. Garrett.
"&"; Cranbrook, B.C., 2.VI./Allotype *Zygomyia bifasciata* & C.B.D. Garrett.
"2&&"; Marysville, B.C., 10.VII., C. Garrett/Paratype *Zygomyia bifasciata* & C.B.D. Garrett.
"&"; Cranbrook, B.C., 14.VI./Paratype *Zygomyia bifasciata* & C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 192, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore, I consider the 5 specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 1400.
- Zygomyia christata* Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 2% 1&, CNC No. 7902.
"%"; Crows Nest, B.C., 29.V./hypo 760/Holotype *Zygomyia cristata* [sic] % C.B.D. Garrett.
"&"; Cranbrook, B.C., 4.VII./Allotype *Zygomyia cristata* [sic] & C.B.D. Garrett.
"%"; Cranbrook, B.C., 10.VII./Paratype *Zygomyia cristata* [sic] % C.B.D. Garrett hypo lost.
Remarks: In the original description Garrett indicated type with number 194, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 760.
- Zygomyia christulata* Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 3% 1&, CNC No. 7901.
"%"; Cranbrook, B.C., 22.VII./hypo 642/Holotype *Zygomyia cristulata* [sic] % C.B.D. Garrett.
"&"; Cranbrook, B.C., 12.VIII./Allotype *Zygomyia cristulata* [sic] & C.B.D. Garrett.
"%"; Marysville, B.C., 13.VIII., C. Garrett/hypo 520Y/Paratype *Zygomyia cristulata* [sic] % C.B.D. Garrett.
"%"; Cranbrook, B.C., 4.VII./hypo 1209/Paratype *Zygomyia cristulata* [sic] % C.B.D. Garrett.
Remarks: In the original description Garrett indicated type with number 193, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 642.
- Zygomyia coxale* Garrett, 1925, Seventy new Diptera, p. 15. CANADA.
Syntypes: 1% 1&, CNC No. 7903.
"%"; Cranbrook, B.C., 15.IV./hypo 1200/Holotype *Zygomyia coxale* I C.B.D. Garrett.
"&"; Marysville, B.C., 1.VIII., C. Garrett/Allotype *Zygomyia coxale* & C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 195, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 1200.
- Zygomyia pilosa* Garrett, 1925, Seventy new Diptera, p. 14. CANADA.
Syntypes: 1% 2&&, CNC No. 7899.
"%"; Marysville, B.C., 10.VII., C. Garrett/hypo 840/Holotype *Zygomyia pilosa* % C.B.D. Garrett.
"&"; Cranbrook, B.C., 9.IX./Allotype *Zygomyia pilosa* & C.B.D. Garrett.

"&"; Cranbrook, B.C., 9.IX./Vag.

5408/Paratype *Zygomia pilosa* & C.B.D. Garrett.
Remarks: In the original description Garrett indicates type with number 191, Garrett Collection. However, the specimen labeled as the holotype has no number associated with it. Therefore I consider the 3 specimens as syntypes. The terminalia of the specimen labeled as the holotype are mounted on microscope slide No. 840.

NYPHOMYIIDAE

Palaeodipteron walkeri Ide, 1965, Can. Ent. 97: 497.
CANADA.

Paratypes: 1% 1&, New Brunswick, CNC No. 9174.

Remarks: Both paratypes are stored in liquid preservative.

PACHYNEURIDAE

Cramptonomyia spenceri Alexander, 1931, Bull. Brooklyn ent. Soc. 26: 8. CANADA.

Holotype &: Vancouver, B.C., 30.III.1930, G.J. Spencer/Holotype *Cramptonomyia spenceri* Alexander, CNC No. 3453/Holotype *Cramptonomyia spenceri* C.P. Alexander.

Remarks: The right wing is missing from the holotype, and believed mounted on a slide in C.P. Alexander's Collection, which is deposited in the United States National Museum, Washington.

PERISSOMMATIDAE

Perissomma congrua Colless, 1969, Aust. J. Zool. 17: 727.
CHILE.

Holotype %: Los Paraguas, Cautin, CHILE, 21.III.1955, L.E. Pena, 1400 m./*Perissomma congrua* Colless, CNC No. 12696/Holotype *Perissomma congrua* Colless/Wing on slide N10/Terminalia on slide N8.

Remarks: The date in the original description is 21.II.1955, but on the label of the pinned specimen it gives a date of 21.III.1955. The holotype specimen is glued to a paper point.

Perissomma fusca Colless, 1962, Aust. J. Zool. 10: 525.
AUSTRALIA.

Paratype: 1% Australia, CNC No. 19331.

Remarks: There is 1 additional specimen labeled as a paratype, but the locality data does not agree with the original description.

PSYCHODIDAE

Pericoma fluviatilis Dyar, 1926, Insector Inscit. menstr. 14(7-9): 106. USA.

Paratypes: 1% 1&, Montana, CNC No. 2362.

Pericoma kincaidi Quate, 1955, Univ. Calif. Pubs Ent. 10(3): 141. USA.

Paratype: 1& (slide), British Columbia (Canada), CNC No. 17128.

Pericoma lassenica ssp. *lassenica* Quate, 1955, Univ. Calif. Pubs Ent. 10(3): 130. USA.

Paratypes: 2%%, 2&&, California, CNC No. 17129.

Psychoda albitarsis Banks, 1895, Can. Ent. 27: 324. USA.

Paralectotype: 1% New York, CNC No. 2135.
Remarks: For lectotype designation see Quate (1955, p. 131).

Psychoda basalis Banks, 1907, Proc. ent. Soc. Wash. (1906) 8(3-4): 150. USA.

Paralectotype: 1% Virginia, CNC No. 2137.
Remarks: For lectotype designation see Quate (1955, p. 175).

Psychoda interrupta Banks, 1907, Proc. ent. Soc. Wash. (1906) 8(3-4): 150. USA.

Paralectotype: 1% Maryland, CNC No. 2138.
Remarks: For lectotype designation see Quate (1955, p. 153).

Psychoda marginalis Banks, 1894, Can. Ent. 26: 333. USA.

Paralectotype: 1% New York, CNC No. 2136.
Remarks: For lectotype designation see Quate (1955, p. 133).

Psychoda prudens Curran, 1924, Can. Ent. 56: 219.
CANADA.

Holotype &: Nordegg, Alta., 3.VII.1921, J. McDunnough/Holotype *Psychoda prudens* Curr., CNC No. 765/Slide.

Paratype: 1&, Alberta.

Remarks: The left wing and abdomen of the holotype are mounted on a microscope slide.

Psychoda satchelli Quate, 1955, Univ. Calif. Pubs. Ent. 10(3): 214. USA.

Paratype: 1& (slide), Nebraska, CNC No. 17127.

Psychoda varitarsis Curran, 1924, Can. Ent. 56: 220.
CANADA.

Holotype &: Megantic, Que., 18.VI.1923, C.H. Curran/Holotype *Psychoda varitarsis* Curr., CNC No. 766/Slide.

Remarks: The holotype was labeled as a % (in error) in the original description. The holotype has the right wing and abdomen mounted on a microscope slide.

Psychoda (Pericoma) alberta Curran, 1924, Can. Ent. 56: 219.
CANADA.

Holotype %: Waterton Lakes, Alta. 10.VII.1923, J. McDunnough/Holotype Ps. (*Pericoma*) *alberta* Curr., CNC No. 764.

Allotype &: Same data as holotype, except 6.VII.1923.

Psychoda (Pericoma) augusta Curran, 1926, Can. Ent. 58: 228.
CANADA.

Holotype %: Aylmer, Que., 24.VI.1924, C.H. Curran/Holotype Ps. (*P.*) *augusta* % &, Curran, CNC No. 2328.

Allotype &: Same data as holotype.

Paratypes: 28%%, 17&&, Quebec.

Remarks: The holotype and allotype are both mounted on the same pin. One % and & paratype are mounted on microscope slides.

Psychoda (Pericoma) criddlei Curran, 1924, Can. Ent. 56: 218.
CANADA.

Holotype %: Aweme, Man. 2.VIII.1917, N.
Criddle/Holotype Ps. (*Pericoma*) criddlei
Curr., CNC No. 763.

Psychoda (*Pericoma*) *juno* Curran, 1926, Can. Ent. 58: 228.
CANADA.

Holotype %: Orillia, Ont. 26.VI.1926, C.H.
Curran/Holotype *Psychoda* (*P.*) *juno* Curran,
CNC No. 2329/Slide.

Allotype &: Same data as holotype.

Paratype: 1% Ontario.

Remarks: The left wing and abdomen of the
holotype are mounted on a microscope slide.

Psychoda (*Pericoma*) *megantica* Curran, 1924, Can. Ent. 56:
217. CANADA.

Holotype &: Megantic, Que. 20.VI.1923, C.H.
Curran/Holotype Ps. (*Pericoma*) *megantica*
Curr., CNC No. 761/Slide.

Remarks: The left wing and abdomen of the
holotype are mounted on a microscope slide.

Psychoda (*Pericoma*) *orillia* Curran, 1924, Can. Ent. 56: 218.
CANADA.

Holotype &: Orillia, Ont. 15.VII.1923, C.H.
Curran/Holotype Ps. (*Pericoma*) *orillia* Curr.,
CNC No. 762.

Psychoda (*Pericoma*) *scotiae* Curran, 1924, Can. Ent. 56: 216.
CANADA.

Holotype %: Annap. Co., N.S. 12 Aug. 23/
Holotype % Ps. (*Pericoma*) *scotiae* Curr.,
CNC No. 760.

Allotype &: Same data as holotype.

Paratype: 1% (slide), Nova Scotia.

SCATOPSIDAE

Anapausis truncata Cook, 1978, Ann. ent. Soc. Am. 71(4):
535. NEPAL.

Holotype % (slide): Nepal, Ktm., Godavari,
5000', 15.IV.1967, Can. Nepal Exped/
Holotype *Anapausis truncata* E.F. Cook
1978/CNC No. 15953.

Arthria masoni Cook, 1965, Ann. ent. Soc. Am. 58(5): 720.
USA.

Holotype & (slide): Mile 236 Richard Hwy.
Alaska, 16.VI.1951, W.R.M. Mason/Holotype
Arthria masoni Cook 1965, CNC Type No.
8941.

Arthria spathis Cook, 1965, Ann. ent. Soc. Am. 58(5): 720.
CANADA.

Holotype % (slide): Low Bush, Lake Abitibi, Ont.
VI-21-1925, N.K. Bigelow/Holotype *Arthria*
spathis Cook 1965, CNC Type No. 8940.

Paratypes: 1% Quebec; 1% Ontario.

Aspistes antidactylatis Cook, 1965, Ann. ent. Soc. Am. 58(5):
715. CANADA.

Holotype % (slide): Goose Bay, Labr. VII.1952,
J.J. Tibbles/Holotype *Aspistes antidactylatus*
[sic] E.F. Cook, CNC No. 8942.

Paratypes: 1% Quebec; 1% 1& (slide), Labrador.

Remarks: One specimen is mounted on a slide
and labeled as an allotype. However, no
allotype was designated in the original

description; therefore, the specimen is a
paratype.

Aspistes harti Malloch, 1920, Ent. News 31: 275. USA.
Paratype: 1% Illinois, CNC No. 2711.

Aspistes occidentalis Cook, 1965, Ann. ent. Soc. Am. 58(5):
718. CANADA.

Remarks: There is a specimen labeled as a
paratype by Cook, but it is from a locality
not mentioned in the original description.

Colobotema altiscutum Cook, 1978, Ann. ent. Soc. Am. 71(4):
533. NEPAL.

Holotype % (slide): 27E58'N., 85E00'E., Mal. tr.
3, 11000', 21 May 1967, Can. Nepal Exped.
Scatopsidae/Holotype *Colobostema altiscutum*
E.F. Cook 1978/CNC No. 15948.

Remarks: In the original description of *C.*
altiscutum the name *Colobostema* was
misspelled *Colobotema*.

Colobostema biplectrum Cook, 1978, Ann. ent. Soc. Am.
71(4): 533. NEPAL.

Holotype % (slide): Nepal, 27E58'N., 85E00'E.,
11000 ft, 5 June 1967, Can. Nepal
Exped/Holotype *Colobostema biplectrum*,
E.F. Cook 1978/CNC No. 15949.

Colobostema brevipennis Cook, 1978, Ann. ent. Soc. Am.
71(4): 535. NEPAL.

Holotype % (slide): Nepal nr. Birganj, Lothar,
450', 11 Sept 67, Mal. tr. 32, Can. Nepal
Exped. Holotype *Colobostema brevipennis*
E.F. Cook 1978/CNC No. 15951.

Colobostema chilcotti Cook, 1978, Ann. ent. Soc. Am. 71(4):
535. NEPAL.

Holotype % (slide): Nepal, Ktm., Godavari, 6000
ft, 16-VIII-67, Mal. tr. Can. Exp. Holotype
Colobostema chilcotti E.F. Cook 1978/CNC
No. 15952.

Paratypes: 4% (slides), Nepal.

Remarks: One paratype from Pulchauki, Nepal,
has a published date of 18.VIII.67, but
labeled as 18.VI.67. There are four
additional males in alcohol from Nepal,
labeled as paratypes by Cook, but these were
not included in the original type series.

Colobostema dicentrum Cook, 1978, Ann. ent. Soc. Am. 71(4):
533. NEPAL.

Holotype % (slide): Nepal, Pulchauki, 6600',
18.VII.67, Malaise trap, W.R.M. Mason
Holotype *Colobostema dicentrum* E.F. Cook
1978/CNC No. 15950.

Colobostema josephi Cook, 1978, Ann. ent. Soc. Am. 71(4):
531. NEPAL.

Holotype % (slide): Nepal, Ktm., Pulchauki,
7300', 6.VIII.1967, Mal. tr. 14. Mal. tr., Can.
Exp/Holotype *Colobostema josephi* E.F. Cook
1978/CNC No. 15947.

Paratypes: 4% (slides), Nepal.

Remarks: One paratype from Godavari, Nepal, has
a published date of 18.VII.67, but labeled as
16-VIII-1967. There are twelve additional
males (in alcohol), labeled as paratypes by
Cook, but these were not included in the
original type series.

Rhegmoclema boreale Cook, 1955, Ann. ent. Soc. Am. 48:
249. CANADA.

Holotype % (slide): Chesterfield, N.W.T.
12.VII.1950, J.G. Chilcott/Holotype %

- Rhegmoclema borealis* Cook, CNC No. 6317
Det. E.F. Cook '53.
Allotype & (slide): Same data as holotype.
Paratypes: 3%, 3&&, Northwest Territories.
- Rhegmoclema reticulatum* Cook, 1955, Ann. ent. Soc. Am. 48: 251. CANADA.
Holotype % (slide): Bradford, Ont. 6.IX.50 T.N. Freeman/Holotype *Rhegmoclema reticulatum* Cook, CNC No. 6318 Det. Cook 1953.
Allotype & (slide): Blackburn, Ont. 13.VI.1951, J.F. McAlpine/Allotype *Rhegmoclema reticulatum* Cook 1953, CNC No. 6318.
Remarks: There is one additional specimen labeled as a paratype, but it is from a locality not mentioned in the original description.
- Rhegmoclema vockerothi* Cook, 1969, J. nat. Hist. 3: 402. SPAIN.
Holotype & (slide): N. slope Veleta, Sierra Nevada Spain, 2200 m./30.VII.1960, J.R. Vockeroth/Holotype *Rhegmoclema vockerothi* E.F. Cook 1967, CNC No. 13905.
- Rhegmoclemina (Rhegmoclemina) melanderi* Cook, 1955, Ann. ent. Soc. Am. 48: 356. USA.
Paratype: 1% (slide), Ontario, CNC No. 6319.
- Rhexoza amaryllis* Cook, 1975, Pan-Pacif. Ent. 51(1): 73. CANADA.
Holotype & (slide): Pt. Credit, Ont., Nov 1966 Ex. rotting amaryllis bulbs 66-45, H.J. Teskey/Holotype *Rhexoza amaryllis* E.F. Cook 1975, CNC No. 13908.
Paratypes: 1& (pinned), 4 larvae, 2 pupae (alcohol), 2&& (slides), Ontario.
- Rhexoza borealis* Cook, 1975, Pan-Pacif. Ent. 51(1): 70. USA.
Holotype & (slide): Umiat, Alaska, 8.VII.1958, J.E.H. Martin/Holotype *Rhexoza borealis* E.F. Cook 1973, CNC No. 13906.
- Rhexoza incisa* Cook, 1956, Ann. ent. Soc. Am. 49(1): 6. USA.
Paratype: 1%, Ontario (Canada), CNC No. 6429.
- Rhexoza teskeyi* Cook, 1975, Pan-Pacif. Ent. 51(1): 71. CANADA.
Holotype & (slide): Stonecliffe, Ont., A.H. Rose, Aug. 12, 1962 Assoc. vial with other adults and immatures. Twigs of red pine infested with *pissodes* red pine weevil and *Lonchaea* sp., Mount Euparal H.J.T./ Holotype *Rhexoza teskeyi* E.F. Cook 1974, CNC No. 13907.
Paratypes: 3%, 3&& (slides), 4%, 3&& (adults), 1 larva, 2 pupal exuviae (alcohol), Ontario.
- Scatopse alpestris* Cook, 1957, Ann. ent. Soc. Am. (1956) 49(6): 600. USA.
Paratypes: 1%, 1&, Alaska; 2&&, Alberta (Canada); 1%, 3&&, British Columbia (Canada), CNC No. 6320.
- Scatopse fattigi* Cook, 1957, Ann. ent. Soc. Am. (1956) 49(6): 604. USA.
Paratypes: 1%, New Hampshire; 1& (slide), Quebec (Canada); 1%, 1&, Ontario (Canada), CNC No. 6321.
- Swammerdamella acuta* Cook, 1956, Ann. ent. Soc. Am. 49(1): 20. SWEDEN.
Holotype % (slide): Pajala, Nb. Sweden, 27.VII.1951, J.R. Vockeroth/Holotype %
Swammerdamella acuta E.F. Cook 1954, CNC No. 6323.
Allotype & (slide): Same data as holotype.
Paratypes: 3% (slides), Sweden.
- Swammerdamella adercotris* Cook, 1972, J. nat. Hist. 6: 629. SWEDEN.
Holotype % (slide): Pajala, Nb. Sweden, 27.VIII.1951, J.R. Vockeroth/Holotype *Swammerdamella adercotris* Cook 1968, CNC No. 11469.
Paratype: 1% (slide), Sweden.
- Swammerdamella chillcotti* Cook, 1956, Ann. ent. Soc. Am. 49(1): 26. CANADA.
Holotype % (slide): Farnworth L., Nr. Churchill, Man. 12.VI.1952, J.G. Chillcott/Ecological data F-DE/Holotype *Swammerdamella chillcotti* E.F. Cook 1954, CNC No. 6324.
- Swammerdamella magnifica* Cook, 1956, Ann. ent. Soc. Am. 49(1): 20. INDIA.
Holotype % (slide): Nilgira Hills, S. India VII.1950 P.S. Nathan, Dedabetta 8640/
Holotype % *Swammerdamella magnifica* E.F. Cook 1954, CNC No. 6325.
Allotype & (slide): Same data as holotype.
Paratypes: 5%, 6&&, India.
- Swammerdamella obtusa* Cook, 1956, Ann. ent. Soc. Am. 49(1): 26. USA.
Paratypes: 1% (slide), Quebec (Canada); 1% (slide), Saskatchewan (Canada), CNC No. 6322.
- Villoscatopse intermedia* Cook, 1978, Ann. ent. Soc. Am. 71(4): 531. NEPAL.
Holotype % (slide): Nepal nr. Birganj, Lothar, 450 ft, 11 Sept '67, Malaise trap 32, Can. Nepal Exped./Holotype *Villoscatopse intermedia* E.F. Cook 1978/CNC No. 15946.
Paratype: 1% (slide), Nepal.
- Villoscatopse prima* Cook, 1978, Ann. ent. Soc. Am. 71(4): 531. NEPAL.
Holotype % (slide): Adhawar, 4 mi N. of Simra, Nepal, 24.VIII.1967, 1400', Mal. trap 25, Can. Nepal Exped. Scatopsidae/Holotype *Villoscatopse prima* E.F. Cook 1978/CNC No. 15945.
- Villoscatopse ultima* Cook, 1978, Ann. ent. Soc. Am. 71(4): 529. NEPAL.
Holotype % (slide): Nepal, Ktmd. Pulchauki, 7500' 6-VIII-1967, Mal. tr. 14, Can. Exp. Holotype *Villoscatopse ultima* E.F. Cook 1978/CNC No. 15944.
Paratypes: 2% (alcohol), 3% (slides), Nepal.
Remarks: The slide bearing the holotype, and obviously the specimen illustrated by Cook, was mislabeled with data for one of the paratypes cited in Cook (1978). One paratype specimen was similarly mislabeled with data cited for the holotype. New labels with the correct locality data have been affixed to the underside of the appropriate slides.

SCIARIDAE

Sciara arcuata Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Holotype %: Cranbrook, B.C. 22.VII./Holotype *Sciara arcuata* Garrett, CNC No. 7909/4835 hypo/Holotype *Sciara arcuata* % Garrett, C.B.D. Garrett.

Remarks: This species was apparently described from a single male specimen, which may be considered the holotype. The terminalia of the holotype are mounted on microscope slide No. 4835. The head is missing from the specimen.

Sciara caesar Johannsen, 1929, Can. Ent. 61: 223. CANADA. Paratypes: 1% (slide), Ontario, CNC No. 3040.

Sciara clavata Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Holotype %: Nelson, B.C., 24.VI., C. Garrett/Holotype *Sciara clavata* Garrett, CNC No. 7908/4836 hypo/Holotype *Sciara clavata* % Garrett, C.B.D. Garrett.

Remarks: This species was apparently described from a single male specimen which may be considered the holotype. The terminalia of the holotype are mounted on microscope slide No. 4836.

Sciara diderma Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Syntype: 1%, Cranbrook, B.C., 7.V.21/C. Garrett Collector/4742 hypo/Holotype *Sciara diderma* % Garrett, C.B.D. Garrett/Syntype *Sciara diderma* Garrett, CNC No. 7906.

Remarks: Since no holotype was indicated in the description, and two different months were listed, there appears to be a number of syntypes in the type series. However, there is only a single specimen in the CNC from Cranbrook, B.C. 7.V.21, labeled as holotype by Garrett. The terminalia are mounted on microscope slide No. 4Y42.

Sciara diota Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Syntype: 1%, Marysville, B.C., 19.VIII., C. Garrett/Holotype *Sciara diota* % Garrett, C.B.D. Garrett/Syntype *Sciara diota* Garrett, CNC No. 7907.

Remarks: Since no holotype was indicated in the original description, and more than one month was listed, there appears to be a number of syntypes in the type series. However, there is only a single specimen in the CNC from Marysville, B.C. 19.VIII., C. Garrett, labeled as holotype by Garrett.

Sciara transpacificica Curran, 1925, Can. Ent. 57: 292. CHINA.

Holotype %: Hong-Kong, Toronto, June 19, ex. Ginger roots/Holotype *Sciara transpacificica* Curran, CNC No. 1542/*Sciara transpacificica* Curran, Det. C.H. Curran.

Remarks: The holotype specimen is missing from the pin and is apparently lost. This single male specimen was taken from "underground ginger roots" imported from Hong Kong, China, intercepted at Toronto, Ont.

Sciara unicorn Garrett, 1925, Seventy new Diptera, p. 16. CANADA.

Holotype %: Cranbrook, B.C., 10.VI./Holotype *Sciara unicorn* Garrett, CNC No. 7910/4Y43

hypo/Holotype *Sciara unicorn* % Garrett, C.B.D. Garrett.

Remarks: This species was apparently described from a single male specimen which may be considered the holotype. The terminalia of the holotype are mounted on microscope slide No. 4Y43.

Sciara (Neosciara) browni Shaw, 1935, Can. Ent. 67: 229. CANADA.

Syntype: 1%, Timagami, Ont., 6.IX.1934, A.W.A. Brown/Paratype *Sciara browni* Shaw, CNC No. 4048/Paratype *Sciara browni*/Syntype *Sciara (Neosciara) browni* Shaw, CNC No. 4048.

Remarks: Since no holotype was indicated in the original description, all six males from the type series are syntypes.

SIMULIIDAE

Austrosimulium (Austrosimulium) dumbletoni Crosby, 1976, N.Z. J. Zool. 3: 17. NEW ZEALAND.

Paratype: 1& (alcohol), New Zealand, CNC No. 17299.

Cnephia abdita Peterson, 1962, Can. Ent. 94: 96. CANADA.

Holotype & (alcohol, with pupal exuviae): Small Stream, Lake of Two Rivers nature trail, 1/4 mile North of Hwy. 60, Mile 20, Algonquin Park, Ont., June 3, 1959 B.V. Peterson/Holotype/Holotype *Cnephia abdita* & Peterson, CNC No. 7525.

Allotype % (alcohol, with pupal exuviae): Same data as holotype, except, 2 June 1959.

Paratypes: 1%, 2&& (pinned), 5 vials (alcohol) containing 5%%, 5&& adults, approximately 30 larvae, 4 pupae, Ontario.

Remarks: The 3 pinned paratypes have their pupal exuviae stored in a glass microvial pinned with the specimen. The 10 adult paratypes in alcohol have their associated pupal exuviae stored in the same vial.

Cnephia abditoides Wood, 1963, Proc. ent. Soc. Ont. (1962) 93: 95. CANADA.

Holotype & (with pupal exuvia): Stream 1, 3 mi. S. Huntsville, Ont., 9-V-1962, Davies & Wood/Holotype *Cnephia abditoides* Wood, CNC No. 8195.

Allotype % (with pupal exuvia): Same data as holotype.

Paratypes: 1%, 4&&, Ontario; 1 (slide) pupal exuviae.

Remarks: The holotype has the pupal exuviae stored in a glass microvial pinned with specimen. The allotype has the pupal exuviae and the terminalia stored in 2 separate microvials pinned with the specimen. Four paratypes have the pupal exuviae plus 1 % and 1 & terminalia stored in glass microvials that are pinned with the respective specimens. One slide, No. GES 6611-09B, is labeled as a paratype, but the pinned specimen is not according to the original description. A paratype is deposited in the USNM; therefore, this slide probably is not a paratype. A male of this species (the paratype mentioned above) was unfortunately selected by Davies, Peterson and Wood

(1962) for the illustration (Fig. 59) of the terminalia of *Cnephia abdita* Peterson.

- Cnephia denaria*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 97. CANADA.
 Holotype & (slide): 1 mi. West of Renfrew, Ont., 3-V-61, B.V. Peterson and E. Bond B.V.P., CNC No. 7995/Holotype *Cnephia denaria* Davies, Peterson and Wood, B.V.P. Coll. No. 256 1961.
 Allotype % (alcohol): 9.2 miles east of Kaladar, Frontenac Co., Ontario, May 6, 1961, B.V. Peterson and E.F. Bond/Allotype % *Cnephia denaria* Davies, Peterson & Wood.
 Paratypes: 2%%, 1& (pinned), 1 (slide) & pupal exuviae, Ontario.
 Remarks: The pupal exuviae of the holotype is stored in alcohol. The pinned paratypes have the terminalia stored in a glass microvial pinned with the respective specimens.
- Cnephia eremites*** Shewell, 1952, Can. Ent. 84: 36. CANADA.
 Holotype &: Coral Harbour, Southampton Is., Em. 23.VII.1948, G.E. Shewell/39/S48718/ Alc. Coll./Holotype *Cnephia eremites* Sh., CNC No. 5988.
 Allotype % Same data as holotype, except S48718-15.
 Paratypes: 50%%, 14&&, Northwest Territories; 8 (slides) containing 3 larvae, 4 pupal exuviae, 1 & adult on same slide, 1& anterior tarsal claws, 13 vials (alcohol) containing approximately 100 adults, 100 pupae, 20 larvae plus 20 associated pupal exuviae.
 Remarks: The holotype and allotype have the associated pupal exuviae preserved in alcohol. The label on the holotype gives an em. date of 23.VII.1948, while the original description gives a date of 22.VII.1948.
- Cnephia freytagi*** Defoliart & Peterson, 1960, Ann. ent. Soc. Am. 53(2): 216. USA.
 Paratypes: 1&, 6 larvae (alcohol), Wyoming, CNC No. 17297.
 Remarks: The & paratype has its associated pupal exuviae stored in alcohol with the adult.
- Cnephia jeanae*** Defoliart & Peterson, 1960, Ann. ent. Soc. Am. 53(2): 218. USA.
 Paratypes: 5 vials (alcohol), 2%%, 1& adults, many pupae & pupal exuviae, approximately 60 larvae, 2 (slides) of 2 pupal exuviae, Utah, CNC No. 17298.
- Cnephia ornithophilia*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 102. CANADA.
 Holotype & (slide): Wildlife Research Sta., Algonquin Pk., Ont., 27-V-59, G.F. Bennett ex Blue Jay B.V.P./Holotype & *Cnephia ornithophilia* Davies, Peterson & Wood, slide No. 041, CNC No. 7996.
 Paratypes: 15&& (alcohol), 3&& (pinned), Ontario.
- Cnephia saileri*** Stone, 1952, Proc. ent. Soc. Wash. 54(2): 82. USA.
 Paratypes: 1% 1&, Alaska; 34%%, 107&&, Alberta (Canada); 3%%, 12&&, Yukon Territory (Canada), CNC No. 6014. 8 (slides) containing 4% adult, 6 pupal exuviae, 1& terminalia, 9 vials (alcohol), 8%%, 2&& adults, 31 pupal exuviae, 4 pupae.
 Remarks: The pinned male paratypes have the abdomen stored in a glass microvial pinned with the respective specimens.

- Cnephia saskatchewanana*** Shewell & Fredeen, 1958, Can. Ent. 90: 733. CANADA.
 Holotype &: Prince Albert, Sask., Shell River, May 12, 1949, H. Fredeen/16403105 N7/N27 40-111/Holotype *Cnephia saskatchewanana* Sh. & Fdn., CNC No. 6644/Slide No. GES 55702-14B/Slide No. GES 55801-20A.
 Allotype %: N. Sask. R., Prince Albert, Sask., May 13, 1954, F.J.H. Fredeen/Prob. originated in Shell River Larv. Coll. 13 May. Reared in lab. 19.V./1-40-133/Allotype *Cnephia saskatchewanana* Sh. & Fdn., CNC No. 6644/Slide No. S231 Fredeen/Slide No. GES 5801-20C.
 Paratypes: 4&& (pinned), 7 (slides) 3 pupal exuviae, 1& terminalia, 1& tarsal claws, 1& head, antennae, mouth parts, 1& wing and legs, Saskatchewan.
 Remarks: The holotype has the terminalia and pupal exuviae mounted on 2 separate slides. The allotype has 4 slides, 1 of the wing, 1 of all the legs, 1 pupal exuviae, 1% terminalia. The 4 pinned paratypes have the pupal cocoons stored in a glass microvial pinned with the respective specimen.
- Cnephia sommermanae*** Stone, 1952, Proc. ent. Soc. Wash. 54(2): 84. USA.
 Paratypes: 2&& (pinned), 1 vial (alcohol), 1% adult, 3 pupae, 5 pupal exuviae, Alaska, CNC No. 7456.
 Remarks: The pupal exuviae and cocoon of the pinned paratypes are mounted on a paper point, pinned with the adult specimen.
- Cnephia villosa*** Defoliart & Peterson, 1960, Ann. ent. Soc. Am. 53(2): 213. USA.
 Paratypes: 2 vials (alcohol) 2%%, 1& adults (with associated pupal exuviae), 4 larvae, 5 (slides), 1 of & head, 1 of & legs, 1 of & terminalia, 1 of % terminalia, 1 of mature larvae, Wyoming, CNC No. 11934.
- Eusimulium congareenarum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 20. USA.
 Paratypes: 2&&, South Carolina, CNC No. 4461.
- Eusimulium fallisi*** Golini, 1975, Entomologica scand. 6: 232. NORWAY.
 Holotype & (alcohol): a) water level, Renaas R., Rendalen, Norway, 16-VII-1968, V.I. Golini, *Eusimulium fallisi* n.sp. Golini 1975, & Holotype Ex. CO₂ trap, 100 cc/min. (underside of label) in 70 Etoh-Glycerine/
 Holotype *Eusimulium fallisi* Golini, CNC No. 13914.
 Paratypes: 8&& (alcohol), Norway.
- Eusimulium furculatum*** Shewell, 1952, Can. Ent. 84: 40. CANADA.
 Holotype %: Churchill, Man., G.R. 9.VII.1947, Reared CRT./%Holotype *Eusimulium furculatum* Sh., CNC No. 5990.
 Allotype &: Same data as holotype except, 10.VII.1947.
 Paratypes: 3%%, 5&& Manitoba; 1& (slide), 1& (slide) anterior tarsal claws, 4 vials (alcohol) approximately 50 pupal exuviae, 8 vials (alcohol) adults 4%%, 10&& with associated pupal exuviae.
- Eusimulium innocens*** Shewell, 1952, Can. Ent. 84: 38. CANADA.

- Holotype ♂: Bell's Corners, Ont., 2-VI-1950, G.E. Shewell/F5, 6-VI-50 D.P. Gray/Holotype *Eusimulium innocens* Shew., CNC No. 5989/Alc. Coll.
- Allotype ♀ Same data as holotype, except No. K4, collected 7.VI.1950, emerged 11.VI.1950.
- Paratypes: 11% 8&&, (pinned), 5 vials approximately 100 larvae (alcohol), 1 vial, 2 pupae, 2 (slides), 1 of & tarsal claws, 1 of pupal exuviae, Ontario.
- Remarks: The holotype and allotype have their pupal exuviae stored in alcohol. One ♀ and two ♂ pinned paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.
- Eusimulium minus*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 21. USA.
Paratypes: 4&&, California, CNC No. 4460.
- Eusimulium osborni*** Stains & Knowlton, 1943, Ann. ent. Soc. Am. 36: 271. USA.
Paratype: 1♂, California, CNC No. 6626.
- Eusimulium pilosum*** Knowlton & Rowe, 1934, Ann. ent. Soc. Am. 27(4): 580. USA.
Paratypes: 2&&, Utah, CNC No. 3914.
- Eusimulium rendalense*** Golini, 1975, Entomologica scand. 6: 229. NORWAY.
Holotype ♂ (alcohol): a) water level, Renaa R., Rendalen, Norway, 16-VII-1968 V.I. Golini, *Eusimulium rendalense* n.sp. Golini 1975 & Holotype. Ex CO₂ trap, 100 cc/min. (underside of label) in 70 Etoh-Glycerine/
Holotype *Eusimulium rendalense* Golini, CNC No. 13913/Preserved in 70 Etoh-Glycerine.
Paratypes: 8&& (alcohol), Norway.
- Gymnopais dichopticoideus*** Wood, 1978, Can. Ent. 110: 1315. CANADA.
Holotype ♂ (with associated pupal exuviae): Mile 1057 Alaska Hwy. Y.T., 30.VII.1963, G.C. & D.M. Wood/Holotype *Gymnopais dichopticoideus* Wood, CNC No. 15765.
Paratypes: 21&& (with associated pupal exuviae), Yukon Territory.
- Gymnopais dichopticus*** Stone, 1949, Proc. ent. Soc. Wash. 51(6): 261. ALASKA.
Paratypes: 1% 1♂, Alaska, CNC No. 7458.
Remarks: We have 3 pupae and 4 larvae from Kluane, Y.T. 28 July 1948, Mason & Hughes, stored in the CNC alcohol collection, but there are no labels to indicate that Stone had this material before him.
- Gymnopais fimbriatus*** Wood, 1978, Can. Ent. 110: 1316. CANADA.
Holotype ♀: Mile 47.5 Y.T., Ogilvie Mt. Rd., 4-IX-1963, G.C. & D.M. Wood/Holotype *Gymnopais fimbriatus* Wood, CNC No. 15766.
Allotype ♀: Same data as holotype.
Paratypes: 28% 21&&, Yukon Territory.
Remarks: Forty of the paratypes have associated pupal exuviae pinned with the specimen.
- Gymnopais holopticoideus*** Wood, 1978, Can. Ent. 110: 1313. CANADA.
Holotype ♂ (with associated pupal exuviae): Victoria Is., N.W.T., 71E17'N, 114E W, 23-28.VII.1975, G. & M. Wood/Holotype *Gymnopais holopticoideus* Wood, CNC No. 15764.
Paratypes: 27&& (with associated pupal exuviae), Northwest Territories.
- Gymnopais holopticus*** Stone, 1949, Proc. ent. Soc. Wash. 51(6): 265. ALASKA.
Paratypes: 1% 1♂ (with associated pupal exuviae), Alaska; 2 pupae (alcohol), Baffin Island (Canada), CNC No. 7457.
- Odagmia croatica*** Baranov, 1937, Vet. Arh. 7(5): 263 (Croatian), 274 (German). YUGOSLAVIA.
Lectotype ♂: Croatia, Zagreb, 23.III.1931/Typus/
Lectotype *Odagmia croatica* Bar., CNC No. 17223/*Odagmia croatica* Typus det. Baranoff.
Paralectotypes 1% 2&&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).
- Odagmia croatica*** form *decolorata* Baranov, 1937, Vet. Arh. 7(5): 264 (Croatian), 276 (German). YUGOSLAVIA.
Lectotype ♂: Croatia, Zagreb, 30.III.1931/Typus/
Lectotype *Odagmia croatica decolorata* Bar., CNC No. 17224/*Odagmia croatica decolorata* nova forma.
Paralectotypes 2% 2&&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).
- Odagmia croatica*** form *nigrina* Baranov, 1937, Vet. Arh. 7(5): 264 (Croatian), 275 (German). YUGOSLAVIA.
Lectotype ♂: Croatia, Zagreb, 23.III.1931/Typus/
Lectotype *Odagmia croatica nigrina* Bar., CNC No. 17225/*Odagmia croatica nigrina* sp.n.
Paralectotypes 1% 1♂, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).
- Odagmia ornata*** (Meigen), form *anderlicei* Baranov, 1937, Vet. Arh. 7(5): 263 (Croatian), 274 (German). YUGOSLAVIA.
Holotype ♀: Golubac, 24.V.1936/Typus/Holotype *Odagmia ornata anderlicei* Bar., CNC No. 17259/*Odagmia ornata anderlicei* Typus det. Baranoff/*Odagmia ornata anderlicei* Baranov.
Paratypes: 8% 11&&, Yugoslavia.
- Odagmia ornata*** (Meigen), form *babici* Baranov, 1937, Vet. Arh. 7(5): 261 (Croatian), 273 (German). YUGOSLAVIA.
Holotype ♀: Skopje, Vardar, 21.I.1927/*Odagmia ornata prima*/Typus/Holotype *Odagmia ornata babici* ♀ Bar., CNC No. 17260/Paratype *Odagmia ornata babici* & Bar., CNC No. 17260/*Odagmia babici*/*Odagmia ornata babici* mihi Typus det. Baranoff.
Paratypes: 7% 8&&, Yugoslavia.
Remarks: One ♀ paratype is mounted on the same pin as holotype.
- Odagmia ornata*** (Meigen), form *bartulici* Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 274 (German). YUGOSLAVIA.
Holotype ♀: D. Milanovac, 6.V.1936/Typus/
Holotype *Odagmia ornata bartulici* Bar., CNC No. 17261/*Odagmia ornata bartulici* mihi det. Baranoff.

- Paratypes: 4%, 6&&, Yugoslavia.
Remarks: One paratype has the associated pupal exuviae pinned with specimen.
- Odagmia ornata*** (Meigen), form *borcici* Baranov, 1937, Vet. Arh. 7(5): 261 (Croatian), 273 (German). YUGOSLAVIA.
Holotype &: Skopje, 17.X.1926/Typus/Holotype *Odagmia ornata borcici* Bar., CNC No. 17262/*Odagmia ornata borcici* Baranov/*Odagmia ornata borcici mihi* Typus det. Baranoff.
Paratypes: 6%, 14&&, Yugoslavia; 1 pupal exuviae.
Remarks: Both wings are missing from the holotype. Two male paratypes have the associated pupal exuviae pinned with the specimen.
- Odagmia ornata*** (Meigen), form *guelminoi* Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 273 (German). YUGOSLAVIA.
Holotype &: Nis, 1.VI.1935/Typus/Holotype *Simulium ornata guelminoi* Bar., CNC No. 17263/*Odagmia ornata guelminoi* Baranov/*Odagmia ornata guelminoi m.* Typus det. Baranoff.
Paratypes: 23%, 38&&, Yugoslavia.
- Odagmia ornata*** (Meigen), form *nikolici* Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 274 (German). YUGOSLAVIA.
Holotype &: Nis, A. IV.1935/*Odagmia ornata*/Typus/Holotype *Odagmia ornata nikolici* Bar., CNC No. 17264/*Odagmia ornata nikolici* Baranov/*Odagmia ornata nikolici mihi* Typus det. Baranoff.
Paratypes: 6%, 2&&, Yugoslavia.
- Odagmia ornata*** (Meigen), form *prima* Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184, 189. YUGOSLAVIA.
Lectotype &: Tuman, 5.IV.25 e.p./Neotypus %Neotypus&/Lectotype *Odagmia ornata prima* & Bar., CNC No. 17265/*Odagmia ornata prima* % Bar., CNC No. 17265/*Odagmia ornata prima* Baranov/*Odagmia ornata prima* det. Baranoff.
Paralectotypes 3%, 6&&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 200). One % paralectotype is mounted on the same pin as the lectotype. One female paralectotype has the associated pupal exuviae pinned with the specimen.
- Odagmia ornata*** (Meigen), form *savici* Baranov, 1937, Vet. Arh. 7(5): 262 (Croatian), 274 (German). YUGOSLAVIA.
Holotype %: Pirot, 12.IV.1935/*Odagmia konsuloffi* end./Typus/Holotype *Odagmia ornata savici* Bar., CNC No. 17266/*Odagmia savici forma nova*/*Odagmia ornata savici mihi* Typus det. Baranoff.
Paratypes: 4%, 1&, Yugoslavia.
- Odagmia ornata*** (Meigen), form *zagrebiensis* Baranov, 1937, Vet. Arh. 7(5): 263 (Croatian), 274 (German). YUGOSLAVIA.
Lectotype %: Croatia, Zagreb, 10.II.1931/Typus/Lectotype *Odagmia ornata zagrebiensis* Bar., CNC No. 17267/*Odagmia ornata zagrebiensis mihi* det. Baranoff.
Paralectotypes 2%, 1&, Yugoslavia.
- Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 201). One % paralectotype has the associated pupal exuviae pinned with the specimen.
- Odagmia ruficornis*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184. YUGOSLAVIA.
Lectotype %: Golubac, 27-V-25/Typus/Lectotype *Simulium ruficornis* Bar., CNC No. 17291/*Odagmia ruficornis* sp.n. Baranov.
Paralectotypes 2%, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 201). Both paralectotypes are pinned on the same double mount.
- Odagmia ruficornis*** form *secunda* Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184. YUGOSLAVIA.
Lectotype &: Golubac, 27.V.1925/Typus/Lectotype *Simulium ruficornis secunda* Bar., CNC No. 17292/*Odagmia ruficornis secunda*.
Paralectotype: 1&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 202).
- Odagmia tenuitarsus*** Baranov, 1937, Vet. Arh. 7(5): 264 (Croatian), 276 (German). YUGOSLAVIA.
Holotype &: Croatia, Zagreb, 9.IV.1929/Typus/Holotype *Simulium tenuitarsus* Bar., CNC No. 17293/*Odagmia tenuitarsus* sp.n. Typus det. Baranov.
- Odagmia (Pseudodagmia) kondici*** Baranov, 1926, Neue Beitr. syst. Insektenk. 3(15-16): 161. YUGOSLAVIA.
Lectotype & (with associated pupal exuviae): Tuman, 9.VI.25/Lectotype *Odagmia kondici* Bar., CNC No. 17258/*Simulium kondici* n.sp. N. Baranoff.
Paralectotypes 3&&, Yugoslavia; 1 pupal exuviae.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 197).
- Paracnephia morotoensis*** McCrae & Prentice, 1965, Proc. R. ent. Soc. Lond. (B), 34(5-6): 53. UGANDA.
Paratypes: 3%, 3&&, Uganda, CNC No. 9384.
- Parasimulium (Parasimulium) stonoi*** Peterson, 1977, Proc. ent. Soc. Wash. 79(1): 102. USA.
Paratype: 1% Oregon, CNC No. 17525.
Remarks: Most of the paratype is mounted on a microscope slide, under 9 separate cover slips. The terminalia are stored in a glass microvial pinned and stored in the same tray as slide.
- Prosimulium borealis*** Malloch, 1919, Report of the Canadian Arctic Expedition 1913-18. Vol. 3: P+C: p. 41. CANADA.
Holotype &: Wollaston, Franklin/Coll. D. Jenness/Canadian Arctic Expedition summer 1915/ Holotype *Prosimulium borealis* Mall. CNC No. 1148/*Prosimulium borealis* Mall. Type/Slide No.
Remarks: The holotype has the terminalia mounted on microscope slide No. E66. The original description lists the type as being a male, but it is a female.
- Prosimulium caudatum*** Shewell, 1959, Can. Ent. 91: 688. CANADA.
Holotype & (with associated pupal exuviae): Nile Creek, Qualicum, B.C. 12.VI. em. 13.VI.1955,

- G.E. Shewell/Holotype *Prosim. caudatum* Shew., CNC No. 6926.
Allotype % (with associated pupal exuviae): same data as holotype, except em. 14.VI.1955.
Paratypes: 27% 25&& (pinned), British Columbia; 1&, Washington (USA); 2% 2&& (slides), 6 pupae (slides), 2 (slides) female terminalia, 5 (slides) larvae, 2 vials approximately 70 pupae and pupal exuviae (alcohol), British Columbia.
Remarks: 43 paratypes have the associated pupal exuviae stored in a glass microvial pinned with the specimen.
- Prosimulium daviesi*** Peterson & Defoliart, 1960, Can. Ent. 92: 85. USA.
Paratypes: 1% 1& adults, 1 pupa, 15 larvae, Wyoming, CNC No. 7534.
Remarks: All above paratypes are preserved in alcohol. Each adult has the associated pupal exuviae stored in alcohol with the respective specimen.
- Prosimulium dicum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 7. USA.
Paralectotype: 1&, Washington, CNC No. 4463.
Remarks: According to Shewell (1959, p. 688) this specimen, originally included as a paratype of *P. dicum* Dyar and Shannon (1927, p. 7), was misidentified. Shewell (1959, p. 691) included it as a paratype of *P. caudatum* Shewell. For lectotype designation see Peterson (1970, p. 120). The paralectotype has the apical portion of the abdomen and terminalia mounted on a microscope slide.
- Prosimulium doveri*** Sommerman, 1962, Proc. ent. Soc. Wash. (1961) 63(4): 226. USA.
Paratypes: 3% 2&& (alcohol, with associated pupal exuviae), Alaska, CNC No. 17294.
- Prosimulium esselbaughi*** Sommerman, 1964, Proc. ent. Soc. Wash. 66(3): 141. USA.
Paratypes: 1% 1& (alcohol, with associated pupal exuviae), Alaska, CNC No. 17295.
- Prosimulium fontanum*** Syme & Davies, 1958, Can. Ent. 90: 708. CANADA.
Holotype & (with associated pupal exuviae): Tote Rd. Stream # 1 L. Sasajewun, Algonquin Pk., Ont., 22-VI-56, P.D. Syme 308/orange label/Holotype *Prosim. fontanum* S. & D., CNC No. 6984.
Allotype % Same data as holotype, except 20-VI-56, number 332.
Paratypes: 3% 3&&, Ontario.
Remarks: One paratype has the associated pupal exuviae stored in a glass microvial pinned with the specimen. The allotype and 5 paratypes have the maxillary palpus mounted on microscope slides.
- Prosimulium formosum*** Shewell, 1959, Can. Ent. 91: 692. CANADA.
Holotype & (with associated pupal exuviae): R.R. track Strm. Bowser, B.C. 13.VI. em. 16.VI.1955, G.E. Shewell/Holotype *Prosim. formosum* Shew., CNC No. 6927.
Allotype % (with associated pupal exuviae): Same data as holotype, except em. 18.VI.1955.
Paratypes: 2&&, Alberta; 13% 38&&, British Columbia; 2&&, Yukon Territory; 4% 2&& (slides) British Columbia; 12 pupae (slides) British Columbia; 4 (slides) of female terminalia, 2 from British Columbia; 1, Alberta; 1, Yukon Territory; 3 (slides) larvae, 2 vials containing approximately 40 larvae and 12 pupal exuviae (alcohol).
Remarks: Twenty-seven paratypes have their pupal exuviae stored in glass microvials, pinned with the specimen.
- Prosimulium frohnei*** Sommerman, 1958, Proc. ent. Soc. Wash. 60(5): 196. USA.
Paratypes: 1% 3&& (alcohol), with associated pupal exuviae, 1 (slide) 1 pupa, Alaska, CNC No. 6770.
- Prosimulium fulvithorax*** Shewell, 1959, Can. Ent. 91: 694. CANADA.
Holotype & (with associated pupal exuviae): R.R. track Strm. Bowser, B.C., 4.VI. em. 7.VI.1955, G.E. Shewell/Slide GES 5902-No. 05A/Holotype *Prosim. fulvithorax* Shew., CNC No. 6928.
Paratypes: 1&, 13 pupae on 9 (slides), 1 vial, 40 pupal exuviae (alcohol), British Columbia.
Remarks: The holotype has the pupal exuviae mounted on microscope slide No. GES 5902-05A.
- Prosimulium fuscum*** Syme & Davies, 1958, Can. Ent. 90: 702. CANADA.
Holotype &: Kahshe R. at Hwy # 11, Morrison Twp., Muskoka dist., Ont. 27-IV-56, P.D. Syme 24/orange label/Holotype *Prosim. fuscum* S. & D., CNC No. 6982.
Allotype % Same data as holotype except the number 37.
Paratypes: 5% 5&&, Ontario.
- Prosimulium inflatum*** Davies, 1957, Proc. R. ent. Soc. Lond. (B) 26(1-2): 1. ENGLAND.
Paratypes: 2 pupae (slides), 1 vial (alcohol) 2 pupae, 6 larvae, England, CNC No. 17296.
- Prosimulium magnum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 6. USA.
Paratype: 1&, Virginia, CNC No. 4464.
- Prosimulium mixtum*** Syme & Davies, 1958, Can. Ent. 90: 706. CANADA.
Holotype &: Sideroad 13-Conc. 6 Chinguacousy Twp., Peel Co., Ont., 1-V-56, P.D. Syme 36/orange label/Holotype *Prosim. mixtum* S. & D., CNC No. 6983.
Allotype % Same data as holotype except, number 30.
Paratypes: 5% 5&&, Ontario.
- Prosimulium novum*** Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 5. USA.
Paralectotypes: 4&&, Montana, CNC No. 4462.
Remarks: Two of the paralectotypes are stored in glass microvials pinned with the locality data. One paralectotype has the head stored in a glass microvial that is pinned with specimen. The terminalia are mounted on microscope slide No. GES 5811-14H. For lectotype designation see Wood (1978, p. 1308).
- Prosimulium perspicuum*** Sommerman, 1958, Proc. ent. Soc. Wash. 60(5): 199. USA.
Paratypes: 4% 4&& (alcohol with associated pupal exuviae), Alaska, CNC No. 6771.

- Prosimulium shewelli*** Peterson & Defoliart, 1960, Can. Ent. 92: 96. USA.
Paratypes: 1 pupal exuviae, 8 larvae (alcohol), Wyoming, CNC No. 7535.
- Prosimulium travisi*** Stone, 1952, Proc. ent. Soc. Wash. 54(2): 76. USA.
Paratypes: 5 pupae (alcohol), Alaska, CNC No. 17216.
- Prosimulium uinta*** Peterson & Defoliart, 1960, Can. Ent. 92: 91. USA.
Paratypes: 1& (pinned with associated pupal exuviae), Wyoming; 1 pupa (alcohol), Utah, CNC No. 7536.
- Prosimulium vernale*** Shewell, 1952, Can. Ent. 84: 33. CANADA.
Holotype &: Bell's Corners, Ont. 9.V.1950, G.E. Shewell/Emerged into cage/Holotype *Prosimulium vernale* Sh. CNC No. 5987.
Allotype % Same data as holotype, except 5.V.1950.
Paratypes: 50%%, 64&& (pinned), 4 vials, approximately 150 adults and 30 pupae (alcohol), 2 vials containing a pair of % and & wings, 7 (slides) 1%, 1& adults, 1% terminalia, 4 pupal exuviae, Ontario.
- Prosimulium (Helodon) albertense*** Peterson & Depner, 1972, Can. Ent. 104: 289. CANADA.
Holotype % (alcohol, with associated pupal exuviae): Alberta: Gold Creek, Crowsnest pass, 5 mi. N. Frank, K.R. Depner, emerged 3-4.IX.1970, reared from larva coll. 24-VIII-1970/Holotype *Prosimulium (Helodon) albertense* Peterson & Depner, CNC No. 11819.
Allotype & (alcohol, with associated pupal exuviae): Same data as holotype except, emerged 5-8 Sept 1970.
Paratypes: 20%%, 14&&, Alberta; 300 larvae, 70 pupae; 3 (slides) larvae.
Remarks: Most of the adult paratypes have the associated pupal exuviae stored in alcohol.
- Prosimulium (Helodon) clavatum*** Peterson, 1970, Mem. ent. Soc. Can. 69: 57. CANADA.
Holotype % (with associated pupal exuviae): Wolf Ck. Mile 907 Alaska Hwy. Y.T., 25-VIII-1963, G.C. & D.M. Wood/Holotype % *Prosimulium (H.) clavatum* Peterson, CNC No. 9596.
Allotype & (with associated pupal exuviae): Same data as holotype, except 24-VIII-1963.
Paratypes: 7%%, 13&& (pinned), 4%%, 1& (alcohol), 2 vials containing approximately 200 larvae, 1 vial containing approximately 50 pupal exuviae (both alcohol), 8 (slides) 1%, 1& adults, 1%, 1& pupa, 4 larvae, Yukon Territory
Remarks: 16 of the pinned paratypes have their associated pupal exuviae pinned with the specimen. The date on the labeled holotype differs from that of the original description.
- Prosimulium (Helodon) martini*** Peterson, 1970, Mem. ent. Soc. Can. 69: 61. CANADA.
Holotype %: Head of Clyde Inlet Baffin Is., N.W.T., 7-VIII-1958, J.E.H. Martin/Holotype % *Prosimulium (Helodon) martini* Pet., CNC No. 9597.
Paratypes: 2%%, Northwest Territory.
- Prosimulium (Helodon) susanae*** Peterson, 1970, Mem. ent. Soc. Can. 69: 71. CANADA.
Holotype &: Muncho Lake, B.C. 23-VIII-1948, W.R. Mason/Mi. 451 Alaska Hwy., Nr. Muncho Lake, B.C., Aug 23, 1948, W.R.M. Mason/at Site M-1 22.VIII.48 Muncho L., B.C./Holotype *Prosimulium (Helodon) susanae* Pet., CNC No. 9598.
Remarks: The left wing, head and abdomen of the holotype are stored in a glass microvial pinned with the specimen. The right hind tibia and tarsus are mounted on a microscope slide.
- Prosimulium (Prosimulium) approximatum*** Peterson, 1970, Mem. ent. Soc. Can. 69: 74. CANADA.
Holotype %: S. Bolton, Que., 7.V.1953, G.E. Shewell/Site K swarming/Holotype *Prosimulium (P.) approximatum* B.V. Peterson, CNC No. 9600.
Paratypes: 17%%, Quebec; 2%% (alcohol) New Brunswick; 3%% (alcohol) Massachusetts (USA); 3%% (slides), Quebec.
Remarks: One paratype has the abdomen stored in a glass microvial on a pin; the remainder of the specimen is mounted on microscope slide No. GES 5901-23D.
- Prosimulium (Prosimulium) constrictistylum*** Peterson, 1970, Mem. ent. Soc. Can. 69: 149. CANADA.
Holotype % (with associated pupal exuviae): 1 mile E. of Osoyoos-B.C., 11-VI-1964, G.C. & D.M. Wood/Holotype *Prosimulium constrictistylum* B.V. Peterson, CNC No. 9603.
Allotype & (with associated pupal exuviae): Same data as holotype.
Paratypes: 4%%, 3&& (pinned), 3 (slides) larvae, 2 (slides) pupal exuviae, 1 vial, 6 pupae and approximately 15 larvae (alcohol), British Columbia.
Remarks: 7 paratypes have the associated pupal exuviae pinned with the specimen. There are 8 additional specimens from the type locality, but these were not included in the type series.
- Prosimulium (Prosimulium) impostor*** Peterson, 1970, Mem. ent. Soc. Can. 69: 162. CANADA.
Holotype % (with associated pupal exuviae): 11.5 mi. N. of Boston Bar-B.C. 10-V.1964, G.C. & D.M. Wood/Holotype *Prosimulium (P.) impostor* Pet. CNC No. 9599.
Allotype & (with associated pupal exuviae): Same data as holotype, except 28-IV-1964.
Paratypes: 30%%, 15&& (pinned), 1%, 2&& (slides), 4 (slides) larvae, 3 (slides) pupal exuviae, 4 vials, approximately 200 larvae, 6 adults associated pupal exuviae, 2 pupae (alcohol), British Columbia.
Remarks: 31 paratypes have the associated pupal exuviae pinned with the specimen.
- Prosimulium (Prosimulium) mysticum*** Peterson, 1970, Mem. ent. Soc. Can. 69: 122. USA.
Holotype % (with associated pupal exuviae): Oconto R., Pulcifer, Shewano Co., Wisc. 19-IV-1964, G.C. & D.M. Wood/Holotype *Prosimulium mysticum* Pet. CNC No. 9602.
Allotype & (with associated pupal exuviae): Same data as holotype.
Paratypes: 8%%, 1&, Wisconsin; 20%%, 30&&, Ontario (Canada); 4 (slides) Wisconsin, 1%, 1& (with associated pupal exuviae), 4 (slides) Wisconsin, larvae, 7 vials (alcohol) 3%%, 4&& (with associated pupal exuviae), 1 vial

approximately 170 larvae. Four vials from Wisconsin, 4 from Ontario.

Remarks: 59 pinned paratypes have the associated pupal exuviae pinned with the specimen.

Prosimulium (Prosimulium) neomacropyga Peterson, 1970, Mem. ent. Soc. Can. 69: 134. USA.

Holotype % (with associated pupal exuviae): Cape Thompson, Alaska, em. 30.VII.61, R. Madge/Holotype *Prosimulium neomacropyga* P. CNC No. 9601.

Allotype & (with associated pupal exuviae): Same data as holotype, except em. 1.VIII.61.

Paratypes: 6%, 4&&, Alaska; 8%, 21&&, Yukon Territory (Canada); four vials, 9 adults (in alcohol) from Yukon Territory and St. Matthew Is.; one vial containing 15 pupae and approximately 90 pupal exuviae, Yukon Territory (alcohol); two vials containing approximately 55 larvae Yukon Territory and Alaska (alcohol); 10 (slides) containing 2 adults (with associated pupal exuviae), 6 larvae, 2 pupae.

Remarks: 25 pinned adults have the pupal exuviae either pinned with, or stored in a glass microvial pinned with the specimen.

Prosimulium (Prosimulium) woodorum Peterson, 1970, Mem. ent. Soc. Can. 69: 130. CANADA.

Holotype % (with associated pupal exuviae): 12.8 mi W. of Kinnaird, B.C. 14-VI-1964, G.C. & D.M. Wood/Holotype *Prosimulium (P.) woodorum* Pet., CNC No. 9604.

Allotype & (with associated pupal exuviae): Same data as holotype.

Paratypes: 1%, 14&&, British Columbia; 1 vial, 7 larvae, 2 pupae (alcohol), 4 (slides) containing 4 larvae.

Remarks: The holotype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen. 15 paratypes have the associated pupal exuviae either pinned with specimen, or stored in a glass microvial with specimen.

Simulium adolfolti Wygodzinsky, 1951, An. Inst. Med. reg., Tucuman 3(2): 234. ARGENTINA.

Paratypes: 1%, 2&&, Argentina, CNC No. 8420.

Remarks: One male and one female paratype are both mounted on the same pin. One & paratype has the associated pupal exuviae pinned with specimen.

Simulium aestivum Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 104. CANADA.

Holotype & (with associated pupal exuviae): North Star Lodge, Deep River, Ont., 25-VI-1959, Davies & Wood/Holotype *Simulium aestivum* D., P. & W., CNC No. 7992.

Allotype % (with associated pupal exuviae): Same data as holotype.

Paratypes: 5%, 4&& (with associated pupal exuviae), Ontario.

Simulium agnatum Baranov, 1937, Vet. Arh. 7(5): 259 (Croatian), 272 (German). YUGOSLAVIA.

Holotype &: Serbia/Typus/Holotype *Simulium agnatum* Bar., CNC No. 17219/*Simulium agnatum* sp. nova/Baranov Collection.

Paratype: 1&, Yugoslavia.

Simulium anatinum Wood, 1963, Proc. ent. Soc. Ont. (1962) 93: 96. CANADA.

Holotype & (with associated pupal exuviae): Stream 1, 3 mi S. Huntsville, Ont., 15-V-1962 Davies & Wood/Holotype *Simulium anatinum* Wood, CNC No. 8196.

Allotype % (with associated pupal exuviae): Same data as holotype, except 9-V-1962.

Paratypes: 2%, 9&&, Ontario.

Remarks: 11 paratypes have the associated pupal exuviae stored in glass microvials pinned with the specimen. Two & paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial, pinned with the specimen.

Simulium beameri Stains & Knowlton, 1943, Ann. ent. Soc. Am. 36: 279. USA.

Paratypes: 3%, California, CNC No. 6627.

Simulium brevicercum Knowlton & Rowe, 1934, Ann. ent. Soc. Am. 27(4): 583. USA.

Paratype: 1&, Utah, CNC No. 3913.

Simulium brnizense Baranov, 1924, Glasn. Minist. Poljopr. i Voda 2(7): 66. YUGOSLAVIA.

Lectotype &: Serbia, Brnjica, 1924/Typus/Lectotype *Simulium brnizense* Bar., CNC No. 17220/*Wilhelmia brnizensis* [sic] Bar./*Wilhelmia brnizensis* [sic].

Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 203).

Simulium caledonense Adler & Currie, 1986, Can. Ent. 118: 1212. CANADA.

Holotype % (with associated pupal exuviae): 3.1 km W. of Obed, Highway 16, Alberta, 53E33'N, 117E14'W., 15 June 1984, Coll. P. Adler & D. Currie/ Holotype *Simulium caledonense* Adler & Currie, CNC No. 19461/Holotype % *Simulium caledonense*, desig. Adler & Currie.

Allotype & (with associated pupal exuviae): Same data as holotype, except 27 June 1984.

Paratypes: 5%, 2&&, (with associated pupal exuviae), 2%, 2&& in microvials 100 larvae, 4 pupae, 4 pupal exuviae (alcohol), Alberta.

Simulium clavipes Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 40. GUADELOUPE WEST INDIES.

Paratype: 1&, Guadeloupe (West Indies), CNC No. 4468.

Simulium columbaczense (Schoenbauer), race *litorale* Baranov, 1937, Arch. wiss. prakt. Tierheilk. 72: 159, 164. YUGOSLAVIA.

Lectotype %: Golubac 26-V-36/Typus/Lectotype *Simulium columbaczense litorale* Bar., CNC No. 17221/*Danubiosimulium columbaczense litorale* [sic] Baranov/Baranov Collection.

Paralectotypes 9%, 83&&, Yugoslavia.

Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 204).

Simulium columbaczense (Schoenbauer), race *profundale* Baranov, 1937, Arch. wiss. prakt. Tierheilk. 72: 159, 164. YUGOSLAVIA.

Lectotype &: /&/D. Milanovac, 9.V.1936/ *columbacz. Lusht*/Typus/Lectotype *Simulium columbaczense profundale* Bar., CNC No. 17222/Dar. *columb. profundale* S. nova N. Baranov/Baranov Collection.

- Paralectotypes 21%, 24&&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 204).
- Simulium craigi*** Adler & Currie, 1986, Can. Ent. 118: 1208. CANADA.
Holotype % (with associated pupal exuviae): 3.1 km W. of Obed, Highway 16, Alberta, 53E33'N, 117E14'W, 11 June 1984, Coll. P. Adler & D. Currie/ Holotype *Simulium craigi* Adler & Currie, CNC No. 19483/Holotype % *Simulium craigi*, desig. Adler & Currie.
Allotype & (with associated pupal exuviae): Same data as holotype.
Paratypes: 10%, 12&& (with associated pupal exuviae), 1%, 4&& stored in microvials, 35 larvae, 23 pupae (in alcohol), Alberta.
- Simulium deagostinii*** Coscaron & Wygodzinsky, 1962, Acta zool. lilloana 18: 322. ARGENTINA.
Paratype: 1%, Argentina, CNC No. 8421.
- Simulium decolletum*** Adler & Currie, 1986, Can. Ent. 118: 1216. CANADA.
Holotype % (with associated pupal exuviae): ALBERTA: 1 km northwest of Edith Lake, Swan Hills (54E48'N, 115E23'W) 2 August 1984, P.H. Adler and D.C. Currie/Holotype *Simulium decolletum* Adler & Currie, CNC No. 19460/*Simulium decolletum* Adler & Currie 1986, Holotype.
Paratypes: 4 larvae, 3 pupal exuviae (in alcohol), Alberta.
Remarks: The holotype has its terminalia dissected and stored in glycerine in a plastic microvial that is pinned with adult.
- Simulium defoliarti*** Stone & Peterson, 1958, Bull. Brooklyn ent. Soc. 53(1): 1. USA.
Paratypes: 3&&, Wyoming; 2%, 1& (with associated pupal exuviae) (alcohol), Wyoming, CNC No. 6772.
- Simulium delponteianum*** Wygodzinsky, 1961, Acta Kravsi, Cuad. del Inst. Nac. Microbiol., Buenos Aires 2: 30. ARGENTINA.
Paratypes: 1% (with associated pupal exuviae) 1&, Argentina, CNC No. 8422.
- Simulium distinctum*** Malloch, 1913, Proc. ent. Soc. Wash. 15(3): 133. USA.
Paratype: 1%, Texas, CNC No. 4466.
- Simulium djerdapense*** Baranov, 1937, Vet. Arh. 7(5): 258 (Croatian), 270 (German). YUGOSLAVIA.
Holotype &: Golubac, 28.IV.1936/Typus/Holotype *Simulium djerdapense* Bar., CNC No. 17255/*Simulium djerdapense* sp. nova N. Baranov/Baranov Collection.
- Simulium emarginatum*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 110. CANADA.
Holotype & (with associated pupal exuviae): Sparks Ck. at Hwy. 17, Rutherglen, Bonfield Twp., Nipissing Dist-Ont., 5-V-1959, Davies & Wood/Holotype *Simulium emarginatum* D., P. & W., CNC No. 7994.
Allotype % (with associated pupal exuviae): Same data as holotype.
Paratypes: 5%, 15&&, Ontario.
Remarks: 20 paratypes have the associated pupal exuviae pinned with the specimen.
- Simulium euryadmiculum*** Davies, 1949, Can. Ent. 81: 45. CANADA.
Holotype %: Alg. Pk. Ont., 20.V.40 Type % *Simulium euryadmiculum* det. by D.M. Davies No. 60/
Holotype *S. euryadmiculum* Dav., CNC No. 5867.
Allotype &: Costello Ck., Alg. Pk. 13.V.40 No. 67 otherwise, same data as above.
Paratype: 1%, Ontario.
Remarks: The holotype has only the head, terminalia, 1 wing, and 1 leg mounted on the microscope slide; remaining parts are not present. The allotype has 1 leg, 1 wing, and the terminalia mounted on the slide.
- Simulium forbesi*** Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 63. USA.
Paratype: 1&, Illinois, CNC No. 2712.
- Simulium hunteri*** Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 59. USA.
Paratype: 1&, Colorado, CNC No. 4467.
- Simulium impar*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 116. CANADA.
Holotype & (with associated pupal exuviae): Laurentian Pt. Rd., Rolph Twp. Renfrew Co., Ont., 25.VI.1959, Davies & Wood/ Holotype *Simulium impar* D., P. & W., CNC No. 8012.
Allotype % (with associated pupal exuviae): Same data as holotype.
Paratypes: 5%, 15&&, Ontario.
Remarks: 18 paratypes have the associated pupal exuviae pinned with the specimen.
- Simulium johannseni*** Hart in Forbes, 1912, Rep. St. Ent. Ill. 27: 31. USA.
Paralectotypes: 1%, 1&, Illinois, CNC No. 2752.
Remarks: For lectotype designation see Frison (1927, p. 181).
- Simulium kamloopsi*** Hearle, 1932, Proc. ent. Soc. Br. Columb. 29: 12. CANADA.
Holotype %: Kamloops, B.C. 2.IX.1928, Eric Hearle/Peterson Creek/98/Holotype *Simulium kamloopsi* Hearle, CNC No. 3444/*Simulium kamloopsi* Hearle.
Allotype & (with associated pupal exuviae): Same data as holotype, except 1.IX.1928 one has additional label which reads, reared in isolation from this pupa.
Paratypes: 10%, 52&&, British Columbia.
Remarks: Two paratypes have the associated pupal exuviae and cocoon; one stored in a glass microvial, one pinned with specimen.
- Simulium loerchae*** Adler, 1987, Proc. ent. Soc. Wash. 89(4): 673. USA.
Paratypes: 5%, 3&& (pinned with associated pupal exuviae), 45 larvae, 2 pupae, 1 pupal exuviae (alcohol), 7%, 12&& (chromosome slides, with accompanying photographs), South Carolina; 1%, 2&& (chromosome slides, with accompanying photographs), Pennsylvania; 1% (chromosome slide) Tennessee, CNC No. 19769.
- Simulium mediovitatum*** Knab, 1915, Insector Inscit. menstr. 3(1-4): 77. USA.
Paratype: 1&, Texas, CNC No. 4469.
- Simulium parnassum*** Malloch, 1914, U.S. Dep. Agric. Bur. Ent. Tech. Ser. 26: 36. USA.
Remarks: There is 1 & labeled as a paratype, but it is from a locality not mentioned in the original description.

- Simulium perissum* Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 43. USA.
Paratypes: 1% 1&, Virginia, CNC No. 4457.
Remarks: The female paratype has the associated pupal exuviae pinned with the specimen.
- Simulium reptans* (Linnaeus), form *calopum* Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184, 189. YUGOSLAVIA.
Lectotype &: Timok, IX.1924/C.-T./Lectotype *Simulium reptans calopum* Bar., CNC No. 17268/*Simulium reptans* [sic] *calopum*/Baranov Collection.
Paralectotype: 1&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 205).
- Simulium reptans* (Linnaeus), ssp. *glumovoense* Baranov, 1937, Vet. Arh. 7(5): 257 (Croatian), 270 (German). YUGOSLAVIA.
Lectotype &: Glumovo, n. Skoplje [sic] 12.IV.1927/Typus/Lectotype *Simulium reptans glumovoense* Bar., CNC No. 17269/*Simulium reptans glumovoense* ssp.n./Baranov Collection.
Paralectotypes 3&&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 206). One & paralectotype has the associated cocoon pinned with specimen.
- Simulium reptans* (Linnaeus), ssp. *pseudocolumbaczense* Baranov, 1937, Vet. Arh. 7(5): 255 (Croatian), 269 (German). YUGOSLAVIA.
Holotype &: Golubac, Donau, 1.V.1936/Typus/
Holotype *Simulium reptans pseudocolumbaczense* Bar., CNC No. 17270/*Simulium reptans pseudocolumbaczense* ssp.n./Baranov Collection.
- Simulium reptans* (Linnaeus), ssp. *pukovacense* Baranov, 1937, Vet. Arh. 7(5): 256 (Croatian), 269 (German). YUGOSLAVIA.
Lectotype &: Pukovac, 23.V.1935/*Simulium reptans L./Typus/Lectotype Simulium reptans pukovacense* Bar., CNC No. 17402/*Simulium reptans pukovacense* ssp.n./Baranov Collection.
Paralectotypes 1% 4&&, Yugoslavia.
Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 206).
- Simulium reptans* (Linnaeus), ssp. *tumanicum* Baranov, 1937, Vet. Arh. 7(5): 255 (Croatian), 269 (German). YUGOSLAVIA.
Holotype & (with associated pupal exuviae): Tuman, Serbia, 16.IV.1926/Typus/Holotype *Simulium reptans tumanicum* Bar., CNC No. 17289/*Simulium reptans tumanicum* ssp.n./Baranov Collection.
- Simulium reptans* (Linnaeus), ssp. *vardaricum* Baranov, 1937, Vet. Arh. 7(5): 256 (Croatian), 270 (German). YUGOSLAVIA.
Holotype & (with associated pupal exuviae): Skoplje [sic] 11.VI.1926/Typus/Holotype *Simulium reptans vardaricum* Bar., CNC No. 17290/*Simulium reptans vardaricum* ssp.n./Baranov Collection.
Paratypes: 1 pupal exuviae, 1 cocoon, Yugoslavia.
- Simulium similis* Malloch, 1919, Report of the Canadian Arctic Expedition 1913-18. Vol. 3: Pt. C: p. 42. CANADA.
Holotype &: Hood River, Coronation Gulf, Arctic, Can./Canadian Arctic Expedition Aug 28, 1915/R.M. Anderson Coll./Holotype *Simulium simile* [sic] Mall., CNC No. 1147/115/Teste Malloch/*Simulium similis* Mall. Type.
- Simulium slossonae* Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 34. USA.
Paratype: 1%, Florida, CNC No. 4458.
- Simulium venator* Dyar & Shannon, 1927, Proc. U.S. natn. Mus. 69(10): 36. USA.
Paratype: 1&, Nevada, CNC No. 4459.
- Simulium virgatum* new race *canadensis* Hearle, 1932, Proc. ent. Soc. Br. Columb. 29: 14. CANADA.
Holotype %: Lanes Cr., Kam. B.C., S. *virgatum* Aug 6, 31 T.K.M. & R.T.T./67b/Holotype *Simulium virgatum* n. race *canadensis* Hearle, CNC No. 3454/var. *canadensis* Hearle/*Simulium virgatum* Coquillett.
Allotype & (with associated pupal exuviae): Kamloops, B.C., 29.V.1928, Eric Hearle No. KS1/Allotype *Sim. virgatum* n. race *canadensis* Hearle, CNC No. 3454/Peterson Creek/ 96/reared from isolated pupa/*Simulium virgatum* Coquillett/var. *canadensis* Hearle/Hearle Collection.
Paratypes: 15%%, 50&&, British Columbia.
- Simulium (Dyarella) solaris* Stone, 1948, J. Wash. Acad. Sci. 38(12): 402. USA.
Paratypes: 2%%, 2&& (with associated pupal exuviae), Texas, CNC No. 7453.
Remarks: One paratype has a slide label No. 60-2; however, no slide is present at the CNC at this time.
- Simulium (Eusimulium) baffinense* Twinn, 1936, Can. J. Res., D, 14: 121. CANADA.
Holotype &: Lake Harbour, Baffin Island, 10-VIII-1935, W.J. Brown/Holotype *Simulium baffinense* Twinn, CNC No. 4126/Slide No. B.9.3.&.
Allotype %: Same data as holotype, except slide No. B.9-2.
Paratypes: 5%%, 1&, Baffin Island; 1% 1&, (slide).
Remarks: The holotype has the left hind leg and terminalia mounted on a microscope slide. The allotype has the terminalia mounted on a microscope slide. 1% 1& paratype taken in copula are mounted on one microscope slide.
- Simulium (Eusimulium) baffinense* form *pallens* Twinn, 1936, Can. J. Res., D, 14: 123. CANADA.
Syntypes: 3&& (slides), CNC No. 17218.
" & "; Type Lab. No. B.J. 10.VIII.35, Coll. by W.J. Brown, *Simulium (Eusimulium) baffinense* var. *pallens* & E59, Loc. Lake Harbour, Baffin Island, Dom. Ent. Br. Ottawa, C.R. Twinn, CNC No. 17218.
" & "; Lab. No. C.R.T., *Simulium (Eusimulium) baffinense pallens* Twinn, E.69, H.E. McClure 30.VII.34, Loc. Churchill, Man., Dom. Ent. Br. Ottawa, Det. C.R. Twinn, CNC No. 17218.
" & "; Lab. No. C.R.T. *Simulium (Eusimulium) baffinense pallens* Twinn, Anal lobe, cercus,

- midleg (see pinned specimen &), E70, H.E. McClure 30.VII.34, Loc. Churchill, Man., Dom. Ent. Br. Ottawa, Det. C.R. Twinn, CNC No. 17218.
- Simulium (Eusimulium) excisum*** Davies, Peterson & Wood, 1962, Proc. ent. Soc. Ont. (1961) 92: 113. CANADA.
Holotype & (with associated pupal exuviae): Stanley Cors., C.P.H.-1, Ont., 5-V-1961, Wood & Bond/Holotype *Simulium excisum* D., P. & W., CNC No. 7993.
Allotype % (with associated pupal exuviae): Same data as holotype.
Paratypes: 6% 15&& (with associated pupal exuviae), Ontario.
- Simulium (Eusimulium) lascivum*** Twinn, 1936, Can. J. Res., D, 14: 127. CANADA.
Holotype &: McL. Reared, McKay L. stream, 13.V.35, C.R. Twinn/Holotype *Simulium (Eus.) lascivum* Twinn, CNC No. 4127.
Allotype % Same data as holotype.
Paratypes: 3% 5&& (pinned), 5% 5&&, (slides) Ontario.
- Simulium (Eusimulium) quebecense*** Twinn, 1936, Can. J. Res., D, 14: 117. CANADA.
Holotype & (slide): Loc. Nr. Perkins Mills, Que., 26.V.35/Type S. (*Eusimulium*) quebecense n.sp. & (reared) C.R. Twinn, CNC No. 4124/Lab. No. B.R. PH. S. E35, Dom. Ent. Br. Ottawa.
Allotype % (slide, with associated pupal exuviae): Same data as holotype.
Paratypes: 2% 2&& (pinned), Quebec; 2% 1& (slides) adults, 1 (slide) & terminalia.
- Simulium (Eusimulium) rivuli*** Twinn, 1936, Can. J. Res., D, 14: 120. CANADA.
Holotype % (slide): Loc. Nr. Carleton Place, Ont., 13.V.35, C.R. Twinn/S. (*Eusimulium*) rivuli n.sp. % reared, genitalia dissected out/Type 4125/Lab. No. CPH-1-2 same as % SRS 1-lot E27/Dom. Ent. Br. Ottawa.
Paratype: 1% (with associated pupal exuviae), Ontario.
- Simulium (Eusimulium) wyomingensis*** Stone & Defoliart, 1959, Ann. ent. Soc. Am. 52(4): 395. USA.
Paratypes: 1% 3&& (adults), 8 pupal exuviae (alcohol), Wyoming, CNC No. 7459.
- Simulium (Hagenomyia) longistylatum*** Shewell, 1959, Can. Ent. 91: 84. CANADA.
Holotype %: Outardes R., Baie Comeau, Que., 21-7-1955, L.S. Wolfe/Holotype S. (H.) longistylatum Shew., CNC No. 6695.
Allotype &: Manic., Baie Comeau, Que., 30-7-1955, B.G. Blair/Allotype S. (H.) longistylatum Shew., CNC No. 6695.
Paratypes: 29% 26&&, Quebec; 4% Ontario; 2&& (slides) adults, 10 (slides) pupal exuviae, 4 (slides) % terminalia, 1 (slide) & terminalia, 1 (slide) % head, 1 (slide) larvae. 4 vials (alcohol) approximately 150 pupae and pupal cases.
- Simulium (Hellichiella) nebulosum*** Currie & Adler, 1986, Can. J. Zool. 64: 221. CANADA.
Holotype &: 1.1 mi S. of Kaslo, B.C., 22.V.1964, G.C. & D.M. Wood/Holotype *Simulium (Hellichiella) nebulosum* Currie & Adler, CNC No. 19459/*Simulium (H.) nebulosum* Currie & Adler/*Simulium (H.) nebulosum* Currie & Adler, 1986 Holotype.
Allotype % Same data as holotype.
Paratypes: 73% 97&& (reared), British Columbia; 2% 2&& (reared), Washington; (alcohol) 2% 2&& adults, 307 larvae, 63 pupal exuviae, British Columbia; 5 larvae, 10 pupal exuviae, Queen Charlotte Islands, British Columbia; 5 larva, Washington; 1 pupae, Oregon (USA).
- Simulium (Hellichiella) johannseni*** ssp. *duplex* Shewell & Fredeen, 1958, Can. Ent. 90(12): 734. CANADA.
Holotype &: Shell R., Prince Albert, Sask., May 26, 1955, F.J.H. Fredeen/40-142/Holotype *Sim. (Hellichiella) johannseni* ssp. *duplex* Sh. & Fdn./Slide GES 5705-No. 14B.
Allotype % Same data as holotype.
Paratypes: 14% 17&& Saskatchewan; 16 (slides) pupal exuviae, 4 (slides) & terminalia, 1 (slide) & head, legs, and mouth parts, 3 (slides) % terminalia.
Remarks: The holotype and allotype have the associated pupal exuviae mounted on a microscope slide. The holotype, allotype, and 28 paratypes have the associated cocoons stored in glass microvials pinned with the specimen.
- Simulium (Inseliellum) cataractarum*** Craig, 1987, Quaest. ent. 23: 400. TAHITI.
Paratypes: 1% 1& (pinned, with associated pupal exuviae and cocoon), 10 larvae (alcohol), Tahiti, CNC No. 19776.
- Simulium (Inseliellum) exasperans*** Craig, 1987, Quaest. ent. 23: 392. TAHITI.
Paratypes: 1% 3&& (pinned with associated pupal exuviae and cocoon), 1 pupa and cocoon (alcohol), 4 larvae (alcohol), Tahiti, CNC No. 19777.
- Simulium (Inseliellum) lotii*** Craig, 1987, Quaest. ent. 23: 388. TAHITI.
Paratypes: 1 pupa, 6 larvae (alcohol), Tahiti, CNC No. 19778.
- Simulium (Inseliellum) malardei*** Craig, 1987, Quaest. ent. 23: 387. TAHITI.
Paratypes: 1 larva (slide), 6 larvae (alcohol), Tahiti, CNC No. 19775.
- Simulium (Prosimulium) browni*** Twinn, 1936, Can. J. Res., D, 14: 113. CANADA (BAFFIN ISLAND).
Holotype &: Lake Harbour, Baffin Island, 10.VIII.1935, W.J. Brown/Holotype *Simulium (P.) browni* Twinn, CNC No. 4123/Slide & No. B.9-6.
Paratypes: 8&&, Baffin Island.
Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. P.25. One paratype is mounted on a microscope slide. There are 2 larvae, 2 pupal exuviae, and 2 pinned specimens from the same type locality, but these were not labeled as paratypes.
- Simulium (Prosimulium) decemarticulatum*** Twinn, 1936, Can. J. Res., D, 14: 110. CANADA.
Holotype &: C.P.H.1-1 reared 10.V.35, nr. Carlton [sic] Place, Ont. C.R. Twinn/Slide &/Type No. 4122/Holotype *Simulium (Prosimulium) decemarticulatum* Twinn, CNC No. 4122.

Allotype % Same data as holotype, except 8.V.35.
Paratypes: 1&, 1& (slide), Ontario.

Remarks: The holotype and allotype have the apical portion of the abdomen and terminalia mounted on microscope slides P.32 and P.29 respectively. One paratype is mounted on microscope slide No. P.31. There are 4 additional slides from the type locality, 2 labeled as paratypes with pupae on them, but these were not mentioned in the original description.

Simulium (Prosimulium) gibsoni Twinn, 1936, Can. J. Res., D, 14: 108. CANADA.

Holotype &: C.P.H.1-1 reared nr. Carlton [sic] Place, Ont., 10.V.35, C.R. Twinn/Slide &/Type S. gibsoni No. 4121/Holotype *Simulium (Prosimulium) gibsoni* Twinn, CNC No. 4121.

Allotype % Same data as holotype except, 9.V.35.
Paratypes: 2%, 4&&, Quebec.

Remarks: The holotype has the abdomen and hind legs mounted on microscope slide No. P.42. The allotype has the apical portion of the abdomen and terminalia mounted on microscope slide No. P.39. One % paratype and 2 && are mounted on microscope slide Nos. P.38, P.40, and P.41.

Simulium (Prosimulium) multidentatum Twinn, 1936, Can. J. Res., D, 14: 106. CANADA.

Holotype % (slide): Loc. Nr. Hull, Que., 3.V.35 Dom. Ent. Br. Ottawa, C.R. Twinn/reared % *Prosimulium multidentatum* n.sp./Type CNC No. 4120/Lab. No. SC.2 P.22.

Allotype & (slide): Same data as holotype, except number P.20.

Paratypes: 5%, 5&&, Quebec; 1%, 3&& (slides), Quebec.

Remarks: One paratype slide, No. P.18, has the associated pupal exuviae mounted on same slide as adult. One paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.

Simulium (Prosimulium) unicum Twinn, 1938, Can. Ent. 70: 49. USA.

Holotype & (slide): Loc. Morgan, Utah, 6.V.37, G.F. Knowlton, Dom. Ent. Br. Ottawa *Simulium (Prosimulium) unicum* Twinn/Type 4447, Lab. No. P.61 C.R.T.

Simulium (Prosimulium) ursinum Edward, 1935, Ann. Mag. nat. Hist. ser. 10, 15: 535. BEAR ISLAND.

Paralectotypes: 8 larvae, 3 pupae, Bear Island, CNC No. 17215.

Remarks: For lectotype designation see Peterson (1970, p. 143). Two larvae, and 1 pupa of the paralectotypes are mounted on microscope slides. The remaining 6 larvae and 2 pupae are stored in alcohol.

Simulium (Simulium) corbis Twinn, 1936, Can. J. Res., D, 14: 147. CANADA.

Holotype &: B.R.-P.H.-D., Blanche R., Que., Reared 26.V.35, C.R. Twinn/Holotype *Sim. corbis* Twinn, CNC No. 4131/Slide &.

Allotype % Same data as holotype.

Paratypes: 1%, 4&& (pinned), 4 (slides) 1% 3&&, Quebec.

Remarks: The holotype and allotype have the terminalia and one leg mounted on a

microscope slide. There is 1 additional % from the type locality mounted on a microscope slide, but this slide was not labeled as a paratype.

Simulium (Simulium) fibrinflatum Twinn, 1936, Can. J. Res., D, 14: 141. CANADA.

Holotype %: O.R.-R.R. 6 infl. fila. Ottawa, Reared 17.VIII.35, C.R. Twinn/Holotype *Simulium fibrinflatum* Twinn, CNC No. 4128/Slide %

Allotype &: Same data as holotype.

Paratypes: 6%, 7&&, 7 (slides), 5%, 4&&, Ontario.

Remarks: The holotype and allotype have the terminalia mounted on microscope slides.

Simulium (Simulium) fraternum Twinn, 1938, Can. Ent. 70: 53. USA.

Holotype %: Farmington, Ut., 9-4-34/G.F. Knowlton, C.F. Smith, Collectors/Slide No. S.129/Type *fraternum* Twinn 4452/Holotype *Simulium fraternum* Twinn, CNC No. 4452/canadense.

Remarks: The holotype has the terminalia mounted on a microscope slide.

Simulium (Simulium) hearlei Twinn, 1938, Can. Ent. 70: 50. USA.

Holotype % (slide): Loc. Ft. Duchesne, Utah, 11.VIII.37 (grass sweepings) G.F. Knowlton & F.C. Harmston/Holotype 4448 *Simulium hearlei* Twinn/Lab. No. C.R.T. S.120/Dom. Ent. Br. Ottawa claspers, 2 claws.

Paratypes: 5%, Utah; 2 (slides) male terminalia.
Remarks: The labeled date for the holotype is 11.VIII.37, but the original description gives a date of 11.VII.37.

Simulium (Simulium) idahoense Twinn, 1938, Can. Ent. 70: 50. USA.

Holotype % (slide): Loc. Riverdale, Idaho, 11.IX.1934, C.F. Smith. Taken at light/
Holotype 4449 *Simulium idahoense* n.sp. % Twinn/Lab. No. C.R.T. S.126. Dom. Ent. Br. Ottawa.

Paratypes: 26%, Idaho; 1 (slide) % terminalia.
Remarks: One pinned paratype has the terminalia mounted on a microscope slide.

Simulium (Simulium) knowltoni Twinn, 1938, Can. Ent. 70: 53. USA.

Holotype % (slide): Loc. Logan, Utah. "at light" G.F. Knowlton & C.F. Smith, 23.VII.35, Campus Ut. Sta. Agr. Coll./Type 4451/
Simulium knowltoni Twinn Lab. No. S.124 C.R.T. Dom. Ent. Br. Ottawa.

Paratype: 1%, Utah.

Remarks: The paratype has the terminalia mounted on a microscope slide.

Simulium (Simulium) nigroparvum Twinn, 1936, Can. J. Res., D, 14: 142. CANADA.

Holotype &: O.R.-R.R., Reared, 10 fila. Ottawa River, 10.VI.35, C.R. Twinn/Holotype *Sim. nigroparvum* Twinn, CNC No. 4129/Slide &.

Allotype % Same data as holotype.

Paratypes: 7%, 3&&, Ontario; 6 (slides), 1%, Quebec; 5%, 3&&, Ontario.

Remarks: The holotype and allotype have the terminalia mounted on a microscope slide.

- Simulium (Simulium) ottawaense*** Twinn, 1936, Can. J. Res., D, 14: 146. CANADA.
 Holotype % (slide): Loc. Pinks Lake, Que., 26.VII.35, C.R. Twinn/Type *Simulium ottawaense* n.sp. % reared, genitalia dissected/Type/Lab. No. P.L.-8 fila., S.76/Type No. 4130/Dom. Ent. Br. Ottawa.
 Allotype & (slide with associated pupal exuviae): Loc. Carleton Place, Ont., 7.VIII.35, C.R. Twinn/Allotype *Simulium ottawaense* n.sp. & reared with pupal skin in cocoon/ Mississippi R., Ont., Lab. No. C.P.M.-8 fila. S.74/Dom. Ent. Br. Ottawa.
 Paratypes: 1% 3&&, Quebec; 1% Ontario; 2 (slides) 1% Ontario; 1&, Quebec.
- Simulium (Simulium) petersoni*** Stone & Defoliart, 1959, Ann. ent. Soc. Am. 52(4): 394. USA.
 Paratype: 1&, California, CNC No. 7454.
- Simulium (Simulium) tescorum*** Stone & Boreham, 1965, J. med. Ent. 2(2): 164. USA.
 Paratypes: 18% 18&&, California; 1 vial (alcohol), 1% adult, 2 pupal exuviae, 20 larvae, 1 vial (alcohol), 3&&, CNC No. 9162.
 Remarks: Three pinned paratypes have their associated pupal exuviae stored in glass microvials pinned with the specimen.
- Simulium (Simulium) turmale*** Twinn, 1938, Can. Ent. 70: 51. USA.
 Holotype % (slide): Loc. Logan, Utah, (at night) 16.IX.37, G.F. Knowlton & F.C. Harmston/*Simulium turmale* Twinn/Type 4450/Lab. No. C.R.T. S.123/ Dom. Ent. Br. Ottawa.
- Simulium (Simulium) twinni*** Stains & Knowlton, 1940, Ann. ent. Soc. Am. 33(1): 77. USA.
 Paratype: 3% 3&&, Utah, CNC No. 5136.
- Simulium (Simulium) verecundum*** Stone & Jamnback, 1955, Bull. N.Y. St. Mus. 349: 83. USA.
 Paratypes: 1% 1& (with associated pupal exuviae), New York; 1% 1& (with associated pupal exuviae), Virginia, CNC No. 7455.
 Remarks: The % paratype from Virginia has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen.
- Twinnia biclavata*** Shewell, 1959, Can. Ent. 91: 686. CANADA.
 Holotype %: R.R. track Strm. Bowser, B.C. 31.V. em. 3.VI.1955, G.E. Shewell/Slide GES 5902-No. 05F/Slide GES 5902-No. 10A/ Holotype *Twinnia biclavata* Shew. CNC No. 6925.
 Allotype & (slide): Same data as holotype except, 5.VI. em. 5.VI. 1955/Slide GES 5902-No. 06.
 Paratypes: 2% 12&&, British Columbia; 6 pupae, 6 larvae (slides).
 Remarks: The holotype has the abdomen stored in a glass microvial pinned with specimen. The remaining parts of the holotype are mounted on microscope slide No. GES 5902-05F. There is an additional slide of the holotype, No. GES 5902-10A, which contains the pupal exuviae and larval head capsule. One adult plus all the immature stages listed above of the paratypes are mounted on microscope slides. The allotype and 11 paratypes have the pupal exuviae stored in a glass microvial pinned with the specimen.
- Twinnia hirticornis*** Wood, 1978, Can. Ent. 110: 1305. CANADA.
 Holotype % (with associated pupal exuviae): pond outlet - mi 2.1 Cold Ck. Road, Kamloops, B.C., 13-16-V-1964, G.C. & D.M. Wood/ Holotype *Twinnia hirticornis* Wood, CNC No. 15763.
 Allotype & (with associated pupal exuviae): Same data as holotype.
 Paratypes: 8% 9&&, British Columbia.
 Remarks: All paratypes have the associated pupal exuviae pinned with each specimen. Four paratypes have the apical portion of the abdomen and terminalia stored in a glass microvial pinned with the specimen.
- Twinnia tibblesi*** Stone & Jamnback, 1955, Bull. N.Y. St. Mus. 349: 19. CANADA.
 Holotype & (slide): Goose Bay, Labr., VIII.30.1950, J.J. Tibbles - 2 Holotype *Twinnia tibblesi* Stone & Jamnback, CNC No. 6525.
 Paratypes: 4% 4&&, Labrador.
 Remarks: There are 5 additional pinned specimens from the type series, but these were not labeled as paratypes. There are several vials containing pupae and larvae from the type series, but these were not labeled as paratypes.
- Tlalocomyia revelata*** Wygodzinsky & Diaz Najera, 1970, Revta. Invest. Salud Publ. 30(2): 88. MEXICO.
 Paratype: 1% (pinned), 6 vials (alcohol), 3% 1& adults (with associated pupal exuviae), 10 pupae, 10 larvae, Mexico, CNC No. 17217.
- Wilhelmia equina*** (Linnaeus), form *prima* Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 185. YUGOSLAVIA.
 Lectotype % (with associated pupal exuviae): Tuman, untere Donau, 23.VI.1924/Lectotype *Wilhelmia equina prima* Bar., CNC No. 17256/W. *equina*.
 Paralectotypes 3% 5&&, Yugoslavia.
 Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 208). Two paratypes have the pupal exuviae pinned with the specimen.
- Wilhelmia equina*** (Linnaeus), form *quarta* Baranov, 1926, Neue Beitr. syst. Insektenk. 3(19-20): 184. YUGOSLAVIA.
 Lectotype %: Golubac, Serbia, e [sic] VI.1924/ Cotype/Lectotype *Wilhelmia equina quarta* Bar., CNC No. 17257/*Wilhelmia equina quarta*.
 Paralectotype: 1% Yugoslavia.
 Remarks: For lectotype designation see Crosskey & Peterson (1972, p. 209).

SYNNEURIDAE

- Synneuron decipiens*** Hutson, 1977, Bull. Br. Mus. nat. Hist. 35(3): 73. CANADA.
 Holotype %: Laniel, Que. Cage # 4, Date June 15-34/Holotype/Holotype *Synneuron decipiens* Hutson, CNC No. 15159/*Synneuron annulipes* Lundstr. Det. Cook 1965/Holotype % *Synneuron decipiens* Hutson det. A.M. Hutson, 1976.

Paratypes: 1♂, Quebec; 1♀, Saskatchewan; 1♀, British Columbia; 1♂, Yukon Territory; 1♀, Colorado (USA); 1♀, Washington (USA); 1♂, Alaska (USA).

Remarks: The holotype and two paratypes have the apical portion of the abdomen and terminalia stored in glass microvials pinned with the specimen.

THAUMALEIDAE

Austrothaumalea spatulata Schmid, 1970, Naturaliste can. 97: 501. CHILE.

Holotype ♀: Estero la Jaula Curico, Chile, 1.1964, L. Pena Nothofagus/Holotype *Thaumalea spatulata* Schm., CNC No. 11305. Allotype ♀: Same data as holotype.

Paratypes: 1♀, 1♂, Chile.

Remarks: The holotype and male paratype have the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

Orphnephila fusca Garrett, 1925, Seventy new Diptera, p. 10. CANADA.

Holotype ♀: Marysville, B.C., 13.VIII., C. Garrett/Holotype *Orphnephila fusca* Garrett, CNC No. 7912/Holotype *Orphnephila fusca*, C.B.D. Garrett/Arnaud & Bousey dissection No. 69.III.24-1.

Remarks: The holotype has the abdomen and left wing mounted on a microscope slide.

Orphnephila pilosa Garrett, 1925, Seventy new Diptera, p. 10. CANADA.

Syntypes: 1♀, 3♂♂, CNC No. 7911.

“♀”; Marysville, B.C., 12.VII., C.

Garrett/Holotype *Orphnephila* [sic] *pilosa* ♀ C. Garrett, C.B.D. Garrett/ Genitalia on slide B.V.P./ Syntype *Orphnephila pilosa* Garrett, CNC No. 7911.

“♂”; Marysville, B.C., 12.VII., C. Garrett/ Allotype *Orphnephila* [sic] *pilosa* ♀ C. Garrett, C.B.D. Garrett/Syntype *Orphnephila pilosa* Garrett, CNC No. 7911.

“2♂♂”; Marysville, B.C., 18.VII., C. Garrett/Paratype *Orphnephila* [sic] *pilosa* ♀ C. Garrett, C.B.D. Garrett/Syntype *Orphnephila pilosa* Garrett, CNC No. 7911.

Remarks: The holotype has its terminalia mounted on a microscope slide.

Thaumalea algira Vaillant, 1953, Encycl. Ent 11: 127. ALGERIA.

Syntypes: 1♀, 1♂, Algérie, Ruisseau des Singes, 8.VI.1953, F. Vaillant/Paratypes & *Thaumalea algira* Vaill./Syntype *Thaumalea algira* Vaillant, CNC No. 17195.

Thaumalea alticola Schmid, 1951, Bull. Inst. r. Sci. nat. Belg. 27(40): 2. SPAIN.

Holotype ♀: Sierra Nevada, Val del Inferno, 5-VIII-1950, F. Schmid/Holotype *Thaumalea alticola* Schmid, CNC No. 17190/Holotype ♀ *Thaumalea alticola* F. Schmid, 1957.

Allotype ♀: Same data as holotype.

Paratypes: 20%♀, 5♂♂, Spain.

Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with type specimen. Four of the ♀ paratypes have the terminalia

mounted on a plastic microslide pinned with the specimen.

Thaumalea atropatenica Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 16. IRAN.

Holotype ♀: Iran (Ost. 3) Meyur, 23-VIII-1956, F. Schmid/Holotype *Thaumalea atropatenica* F. Schmid, CNC No. 17191/Holotype ♀ *Thaumalea atropatenica* F. Schmid, 1957.

Allotype ♀: Same data as holotype.

Remarks: The holotype has the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

Thaumalea baltasardi Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 13. IRAN.

Holotype ♀: Iran (Maz.) Lius, 14-IX-1955, F. Schmid/Holotype *Thaumalea baltasardi* Schmid, CNC No. 17192/Holotype ♀ *Thaumalea baltasavi* [sic] F. Schmid, 1957.

Paratypes: 21%♀, Iran.

Remarks: The holotype and six paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. The paratype from Mughan (Osta) was collected on 20-V-1956.

Thaumalea bosnica Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 11. YUGOSLAVIA.

Holotype ♀: Bosnie, Trnovo, 23-VII-1955, F. Schmid/Holotype *Thaumalea bosnica* Schmid, CNC No. 17193/Holotype ♀ *Thaumalea bosnica* F. Schmid, 1957.

Paratypes: 7%♀, Yugoslavia.

Remarks: The holotype and one paratype have the terminalia mounted on a plastic microslide pinned with the specimen.

Thaumalea curtior Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 6. SPAIN.

Holotype ♀: Espagne (Av.). Lac de Gredos, 16-23-VII-1950, F. Schmid/Holotype *Thaumalea curtior* Schmid, CNC No. 17194/Holotype ♀ *Thaumalea curtior* F. Schmid, 1957.

Paratypes: 15%♀, Spain.

Remarks: The holotype and one paratype have the terminalia mounted on a plastic microslide pinned with the specimen. The left wing is missing from the holotype. There are three additional specimens from the type locality, but these were not labeled as paratypes.

Thaumalea dinarica Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 10. YUGOSLAVIA.

Holotype ♀: Bosnie, Trebevic, 15-VII-1955, F. Schmid/Holotype *Thaumalea dinarica* Schmid, CNC No. 17196/Holotype ♀ *Thaumalea dinarica* F. Schmid, 1957.

Paratypes: 8%♀, Yugoslavia.

Remarks: The holotype and two paratypes have the terminalia mounted on a plastic microslide pinned with the specimen. There are five additional specimens from the type locality, but these were not labeled as paratypes.

Thaumalea dirghakantaka Schmid, 1970, Naturaliste can. 97: 510. INDIA.

Remarks: There are four specimens that are labeled as paratypes, but they were not cited in the original description as part of the type series.

- Thaumalea gredosensis* Schmid, 1951, Bull. Instr. r. Sci. nat. Belg. 27(40): 4. SPAIN.
Holotype %: Espagne (Av). Lac de Gredos, 16-23-VII-1950, F. Schmid/Holotype Thaumalea gredosensis Schmid, CNC No. 17197/Holotype %, Thaumalea gredosensis F. Schmid, 1957.
Paratypes: 4%%, Spain.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.
- Thaumalea heterodoxa* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 19. PAKISTAN.
Holotype %: Cachem et Jam., Janwal, 29-VIII-1953, F. Schmid/Holotype Thaumalea heterodoxa Schmid, CNC No. 17199/Holotype % Thaumalea heterodoxa F. Schmid, 1957.
Paratypes: 15%%, Pakistan.
Remarks: The holotype and fourteen paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide, pinned with the specimen. The date on the pinned holotype (29-VIII-1953) differs from that of the original description. There are fifteen additional specimens from the type series, but these were not labeled as paratypes.
- Thaumalea himalayana* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 18. PAKISTAN.
Holotype %: Pakistan (NWFP), Naran, 30-VI, 5-VII-1953, F. Schmid/Holotype Thaumalea hialayana Schmid, CNC No. 17200/Holotype %, Thaumalea himalayana F. Schmid, 1957.
Paratypes: 19%%, Pakistan.
Remarks: The holotype and three paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide, pinned with the specimen. The date on the label of the holotype (30-VI, 5-VII-1953) differs from that given in the original description. There are three additional specimens from the type locality, but these were not labeled as paratypes.
- Thaumalea hyreanica* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 16. IRAN.
Holotype %: Iran (Maz.), Luis, 14-IX-1955, F. Schmid/Holotype Thaumalea hyreanica Schmid, CNC No. 17202/Holotype %, Thaumalea hyreanica F. Schmid, 1957.
Paratypes: 3%%, Iran.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. The date on the labeled holotype and on one paratype (14-IX-1955) differs from that of the original description.
- Thaumalea intermedia* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 11. YUGOSLAVIA.
Holotype %: Macédoine, Perister, 12-16-VIII-1955, F. Schmid/Holotype Thaumalea intermedia Schmid, CNC No. 17201/Holotype %, Thaumalea intermedia F. Schmid, 1957.
Paratypes: 26%%, Yugoslavia.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. One paratype has the specimen mounted on the plastic microslide.
- Thaumalea karakoramica* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 20. PAKISTAN.
Holotype %: Pakistan, (NWFP) Mahandri, 26-VI-1953, F. Schmid/Holotype Thaumalea karakoramica Schmid, CNC No. 17198/Holotype %, Thaumalea karakoramica F. Schmid, 1957.
Paratypes: 11%%, Pakistan.
Remarks: The holotype and ten paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. One paratype specimen is mounted on a plastic microslide. There are sixteen additional specimens from the type series locality, but these were not labeled as paratypes. The date on the labeled holotype specimen differs from that in the original description.
- Thaumalea macedonica* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): YUGOSLAVIA.
Holotype %: Macédoine, Perister, 12-16-VIII-1955, F. Schmid/Holotype Thaumalea macedonica Schmid, CNC No. 17203/Holotype %, Thaumalea macedonica F. Schmid, 1957.
Paratypes: 22%%, Yugoslavia.
Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen. There is one additional specimen from the type locality, but it was not labeled as a paratype.
- Thaumalea micomicona* Schmid, 1951, Bull. Inst. r. Sci. nat. Belg. 27(40): 5. SPAIN.
Holotype %: Espagne (Gr.). Gorges Guardalfeo, 25-VIII-1950, F. Schmid/Holotype Thaumalea micomicona Schmid, CNC No. 17210/Holotype %, Thaumalea micomicona F. Schid, 1957.
Allotype &: Same data as holotype.
Paratypes: 6%%, 2&&, Spain.
Remarks: The holotype and four paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.
- Thaumalea nanarupa* Schmid, 1970, Naturaliste can. 97: 503. INDIA.
Paratypes: 4%%, India, CNC No. 17214.
Remarks: In the original description Schmid did not specifically cite the seven paratypes, although he says, "Thaumalea (nanarupa sanscrit, variable, instable) ne m'est connue que d'un petit nombre de localités du Pauri Garhwal", and he illustrated (figures 6-9) four variations in the form of the parameres from the paratypes. Two paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.
- Thaumalea suborientalis* Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 18. PAKISTAN.
Holotype %: Pakistan (NWFP), Jalkhad Nar, 25-VII-1953, F. Schmid/Holotype Thaumalea suborientalis Schmid, CNC No. 17211/ Holotype %, Thaumalea suborientalis F. Schmid, 1957.
Paratypes: 5%%, Pakistan.

Remarks: The holotype and two paratypes have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

Thaumalea suzozae Schmid, 1958, Bull. Inst. r. Sci. nat. Belg. 34(10): 14. IRAN.

Holotype %: Iran (Maz.), Barajan, 15-IX-1955, F. Schmid/Holotype *Thaumalea suzozae* Schmid, CNC No. 17212/Holotype %, *Thaumalea suzozae* F. Schmid, 1957.

Paratypes: 23% Iran.

Remarks: The holotype and one paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide, pinned with the specimen. Three labeled paratypes from Ijdam have a date of 6-X-1956, which differs from the original description. There are four additional specimens from the type series, but these were not labeled as paratypes.

Thaumalea tchaturskona Schmid, 1970, Naturaliste can. 97: 503. INDIA.

Remarks: There is one specimen that is labeled as a paratype, but it was not cited in the original description as part of the type series.

Thaumalea tiriadanta Schmid, 1970, Naturaliste can. 97: 509. INDIA.

Remarks: There is one specimen that is labeled as a paratype, but it was not cited in the original description as part of the type series.

Thaumalea tridhatu Schmid, 1970, Naturaliste can. 97: 504. INDIA.

Remarks: There are two specimens that are labeled as paratypes, but they were not cited in the original description as part of the type series.

Thaumalea urdhvakantaka Schmid, 1970, Naturaliste can. 97: 508. INDIA.

Remarks: There are five specimens that are labeled as paratypes, but they were not cited in the original description as part of the type series.

Thaumalea vakrakantaka Schmid, 1970, Naturaliste can. 97: 509. INDIA.

Remarks: There are six specimens that are labeled as paratypes, but they were not cited in the original description as part of the series.

Thaumalea valdesia Schmid, 1951, Bull. Inst. r. Sci. nat. Belg. 27(40): 5. SWITZERLAND.

Holotype %: Suisse-Valais, Tanay, 18-IX-1948, F. Schmid/Holotype *Thaumalea valdesia* Schmid, CNC No. 17213/Holotype %, *Thaumalea valdesia* F. Schmid, 1957.

Paratype: 1% Switzerland.

Remarks: The holotype and paratype have the apical portion of the abdomen and terminalia mounted on a plastic microslide pinned with the specimen.

Thaumalea vartula Schmid, 1970, Naturaliste can. 97: 507. INDIA.

Remarks: There are thirteen specimens labeled as paratypes, but they were not cited in the original description as part of the type series.

TIPULIDAE

Antocha (Antocha) obtusa Alexander, 1925, Ent. News 36: 201. USA.

Paratypes: 2% 1&, Quebec (Canada), CNC No. 16998.

Austrolimnophila consobrina Tjeder, 1955, Opusc. Ent. 20: 225. SWEDEN.

Paratype: 1% Sweden, CNC No. 6392.

Remarks: The paratype has the terminalia dissected and stored in a microvial.

Chionea alexandriana Garrett, 1922, Proc. ent. Soc. Wash. 24(2): 62. CANADA.

Paratype: 1&, British Columbia, CNC No. 257.

Chionea obtusa Byers, 1983, Kans. Univ. Sci. Bull. 52(6): 145. CANADA.

Paratypes: 2% 2&&, Alberta, CNC No. 17964.

Chionea waughi Curran, 1925, Can. Ent. 57: 24. CANADA.

Holotype %: Voisey's Bay, Labr., 5.XII.1921, F.W. Waugh, On Snow/Holotype *Chionea waughi* Curran, CNC No. 706.

Allotype &: Cabot Lake Labr., Sept-Oct. 1921, F.W. Waugh/Allotype *Chionea waughi* Curran, CNC No. 706.

Paratype: 1% Labrador.

Dicranomyia alascaensis Alexander, 1919, report of the Canadian Arctic Expedition 1913-18, 3: 4. USA.

Holotype &: Nome, Alaska, Aug 24, 25, 16/Canadian Arctic Expedition F.J. 1916/Holotype *Dicranomyia alascaensis* Alex., CNC No. 251/Holotype *Dicranomyia alascaensis* C.P. Alexander.

Remarks: Left wing and all left legs are missing from the holotype.

Dicranomyia aquita Dietz, 1915, Can. Ent. 47: 331. CANADA.

Holotype %: Fort Resolution, Aug. 24, 1914, F. Harper/Holotype *Dicranomyia aquilla* [sic] Dietz, CNC No. 258/Holotype.

Allotype &: Same data as holotype.

Paratype: 1&, Northwest Territories.

Remarks: The left wing is missing from the holotype. The species name *aquilla* [sic] on the holotype label was written in error by someone other than Dietz.

Dicranomyia gibsoni Alexander, 1929, Can. Ent. 61: 17. CANADA.

Holotype %: Smith's Cove, N.S., 6-VIII-1925. A. Gibson/Holotype *Dicranomyia gibsoni* Alex., CNC No 2572/Holotype *Dicranomyia gibsoni* C.P. Alexander.

Paratypes: 2% Nova Scotia.

Dicranota currani Alexander, 1926, Ent. News 37: 50. CANADA.

Holotype %: Ottawa, Ont., 9.V.1923, C.H. Curran/Holotype *Dicranota currani* Alex., CNC No. 2321/Holotype *Dicranota currani* C.P. Alexander.

Paratypes: 7% 2&&, Quebec; 1% Ontario.

- Remarks: All legs except the right hind are missing from the holotype. All the paratypes from Quebec have a date of 7.V.1924.
- Eriocera alberta*** Alexander, 1930, Bull. Brooklyn ent. Soc. 25(2): 73. CANADA.
Holotype &: Lethbridge, Alta., 24.VI.1929, J.H. Pepper/Holotype *Eriocera alberta*, CNC No. 3187, Alex./Holotype *Eriocera alberta* C.P. Alexander.
Remarks: Right wing is missing from the holotype.
- Eriocera gaspensis*** Alexander, 1931, Can. Ent. 63: 143. CANADA.
Paratype: 1%, Quebec, CNC No. 3188.
- Erioptera (Erioptera) angustipennis*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 5. CANADA.
Holotype %: Bernard Harbour, Aug. 1-7, N.W.T./Canadian Arctic Expedition, F.J. 1915/Holotype *Erioptera angustipennis* Alex., CNC No. 252/Holotype *Erioptera angustipennis* C.P. Alexander.
Remarks: All legs and right wing are missing from the holotype.
- Erioptera (Erioptera) ebenina*** Alexander, 1926, Can. Ent. 58: 237. CANADA.
Holotype %: Ottawa, Ont., May 29, 1925, C.H. Curran/Holotype % *Erioptera ebenina* Alex., CNC No. 2313/Holotype *Erioptera ebenina*, C.P. Alexander/Allotype & *Erioptera ebenina* Alex., CNC No. 2313/Allotype *Erioptera ebenina* & C.P. Alexander.
Allotype &: Same data as holotype.
Remarks: Both type specimens are mounted on the same pin. The holotype has the terminalia mounted on a plastic microslide (now badly deteriorated) pinned with the specimen.
- Erioptera (Ilisia) manitobensis*** Alexander, 1929, Jl. N.Y. ent. Soc. 37: 51. CANADA.
Holotype %: Aweme, Man., 24.VI.1924, N. Criddle/Holotype *Erioptera manitobensis* Alex., CNC No. 3185/Holotype *Erioptera manitobensis* C.P. Alexander.
Remarks: The holotype has the terminalia dissected and mounted on a microscope slide. The left wing is missing from holotype.
- Erioptera (Trimicra) pilipes*** n. sub sp. ***campbellicola*** Alexander, 1964, Pacif. Insects Monogr. 7: 276. (CAMPBELL ISLAND) NEW ZEALAND.
Paratype: 1% Campbell Is., (New Zealand), CNC No. 16999.
- Gonomyia (Gonomyia) currani*** Alexander, 1926, Can. Ent. 58: 239. CANADA.
Holotype %: Orillia, Ont., 7.VI.1925, C.H. Curran/Holotype *Gonomyia currani* Alex., CNC No. 2312/Holotype *Gonomyia currani*, C.P. Alexander.
Paratypes: 2%, Ontario.
Remarks: One paratype has the terminalia mounted on a plastic microslide (now badly deteriorated) pinned with specimen.
- Gonomyia (Ptilostena) icasta*** Alexander, 1927, Can. Ent. 59: 191. CANADA.
Holotype &: Banff, Alta., 5.VI.1922, C.B.D. Garrett/June 5/Holotype *Gonomyia icasta* Alex., CNC No. 2577/Holotype *Gonomyia icasta* C.P. Alexander.
- Remarks: The left wing and both middle legs are missing from the holotype.
- Limnobia gracilis*** Dietz, 1915, Can. Ent. 47: 329. CANADA.
Holotype %: Tsolinoi Lake, about 5 mi N. of Athabaska Lake, July 5th, 14. F. Harper/Holotype *Limnobia* [sic] *gracilis* Dietz, CNC No. 256/Holotype.
Remarks: All legs and abdomen are missing from the holotype.
- Limonia (Dicranomyia) chillcotti*** Alexander, 1968, Gt. Basin Nat. 28(3): 115. CANADA.
Holotype %: Farnworth L. Nr. Churchill Man., 26.VI.1952, J.G. Chillcott/Ecological data F.B./% hypo on slide/Holotype *Limonia (Dicranomyia) chillcotti* Alex., CNC No. 16996/Holotype *Limonia chillcotti* C.P. Alexander.
Allotype &: Same data as holotype, except Ecological data F.C.
Paratype: 1%, Manitoba.
Remarks: All legs except the right hind are missing from the holotype. The holotype has its terminalia mounted on microscope slide No. 12168.
- Limonia (Dicranomyia) involuta*** Alexander, 1968, Gt. Basin Nat. 28(3): 117. CANADA.
Paratypes: 3%, 7&&, Yukon Territory, CNC No. 16997.
- Limonia (Dicranomyia) walleyi*** Alexander, 1942, Bull. Conn. St. geol. nat. Hist. Surv. 64: 325. CANADA.
Holotype %: Mer Bleue, Ont., 6.IX.1928, G.S. Walley/Holotype *Limonia (Dicranomyia) walleyi* Alex., CNC No. 3186/Holotype *Limonia (Dicranomyia) walleyi* C.P. Alexander.
Remarks: The holotype terminalia are mounted on a plastic microslide (now badly deteriorated) pinned with specimen.
- Limnophila mc-dunnoughi*** Alexander, 1926, Insecutor Inscit. menstr. 14(1-3): 21. CANADA.
Holotype &: Nordegg, Alta., 14.VII.1921, J. McDunnough/Holotype *Limnophila mc-dunnoughi* Alex., CNC No. 2315/Holotype *Limnophila mc-dunnoughi* C.P. Alexander.
- Limnophila (Dactylolabis) rhicnoptiloides*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18; 3: 6. CANADA.
Holotype %: Bernard Harbour, NWT., July 15/Canadian Arctic Expedition F.J. 1915/Holotype *Limnophila rhicnoptiloides* [sic] Alex., CNC No. 253/ Holotype *Limnophila rhicnoptiloides* C.P. Alexander.
Remarks: both wings and legs are missing from the holotype.
- Limnophila (Ephelia) aldrichi*** Alexander, 1927, Proc. U.S. natn. Mus. 72(2): 11. USA.
Allotype &: Banff, Alta., 7.VII.1922, C.B.D. Garrett/Allotype *Limnophila aldrichi* & Alex., CNC No. 2571/Allotype *Limnophila aldrichi* C.P. Alexander.
Paratype: 1%, Alberta.
Remarks: The left wing and legs except right middle are missing from allotype.
- Limnophila (Phylidorea) auripennis*** Alexander, 1926, Bull. Brooklyn ent. Soc. 21(3): 113. USA.
Paratype: 1%, Ontario (Canada), CNC No. 2317.

- Remarks: The terminalia of paratype is mounted on a plastic microslide (now badly deteriorated) pinned with specimen.
- Limnophila (Phylidorea) fuscovenosa*** Alexander, 1927, Can. Ent. 59: 190. CANADA.
Holotype &: Banff, Alta., 19.VII.1922, C.B.D. Garrett/Holotype *Limnophila fuscovenosa* Alex., CNC No. 2570/Holotype *Limnophila fuscovenosa* C.P. Alexander.
Remarks: Right wing is missing from holotype.
- Limnophila (Phylidorea) platyphallus*** Alexander, 1926, Bull. Brooklyn ent. Soc. 21(3): 111. USA.
Paratype: 1% Ontario (Canada), CNC No. 2316.
Remarks: The terminalia is mounted on a plastic microslide (now badly deteriorated) pinned with specimen.
- Nephrotoma arctica*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 10. CANADA.
Holotype %: Bernard Harbour, NWT., July 1-14/Canadian Arctic Expedition F.J. 1916/Holotype *Nephrotoma arctica* Alex., CNC No. 250/Holotype *Nephrotoma arctica*, C.P. Alexander.
Allotype &: Same data as holotype, except July-Aug 1915.
Paratypes: 2%, Northwest Territories.
- Nephrotoma boyesi*** Alexander, 1969, Ent. News 80(10): 259. NEW GUINEA.
Holotype %: Wau, Papua, 3600' 7.VI.68, J.W. Boyes/Holotype *Nephrotoma boyesi* Alex., CNC No. 16994/Assoc. Genitalia slide/Holotype *Nephrotoma boyesi* C.P. Alexander.
Remarks: Holotype has the terminalia dissected and mounted on a microscope slide.
- Ormosia garretti*** Alexander, 1926, Insector Inscit. menstr. 14(1-3): 19. CANADA.
Holotype %: Banff, Alta., 18.VII.1922, C.B.D. Garrett/Holotype *Ormosia garretti* Alex., CNC No. 2314/Holotype *Ormosia garretti* C.P. Alexander.
Allotype &: Same data as holotype, except 19.VII.1922.
Paratype: 1%, Alberta.
Remarks: All legs except the left middle are missing from the holotype.
- Ormosia hubbelli*** Alexander, 1926, Insector Inscit. menstr. 14(1-3): 20. USA.
Paratype: 1% Manitoba (Canada), CNC No. 2318.
Remarks: Abdomen and right wing are missing from paratype.
- Oropeza walleyi*** Alexander, 1931, Can. Ent. 63: 139. CANADA.
Holotype %: Knowlton, Que., 4.VII.1929, G.S. Walley/Holotype *Oropeza walleyi* Alex., CNC No. 3184/Holotype *Oropeza walleyi* C.P. Alexander.
Paratypes: 1%, 1%, Quebec.
- Pales lindneri*** Mannheims, 1951, Fliegen Palaearkt. Reg., Lieferung 167: 53. LATVIA.
Paratype: 1%, Hungary, CNC No. 16995.
- Phalacroceres vancouverensis*** Alexander, 1927, Can. Ent. 59: 189. CANADA.
Holotype &: Vancouver, B.C., 10.IV.1922, W.B. Anderson/Holotype *Phalacroceres* [sic] *vancouverensis* C.P. Alex., CNC No. 2575/Holotype *Phalacroceres vancouverensis*, C.P. Alexander.
Remarks: The left wing is missing from holotype.
- Prionocera byersi*** Brodo, 1987, Evolut. Monogr. 8: 22. ALASKA.
Paratype: 1%, Alaska, CNC No. 19807.
- Prionocera cryptica*** Brodo, 1987, Evolut. Monogr. 8: 24. CANADA.
Holotype %: ONT. Bells Corners, 45°17'N, 75°48'W, 9 May 1970, Fenja Brodo/HOLOTYPE *Prionocera cryptica* Brodo, CNC No. 18348.
Remarks: The holotype has its terminalia dissected and stored in a plastic microvial pinned with specimen. The original description gives the date as 9 May 1971. But the date of the locality label is 9 May 1970.
- Prionocera electa*** Alexander, 1927, Can. Ent. 59: 188. CANADA.
Holotype %: Hopedale, Labr., 1.VII.1923/Holotype *Prionocera electa* Alex., CNC No. 2576/Holotype *Prionocera electa*, C.P. Alexander.
Remarks: The left wing is missing from holotype.
- Prionocera naskapi*** Brodo, 1987, Evolut. Monogr. 8: 33. CANADA.
Holotype %: QUEBEC: Schefferville, 18 July 1981, F. Brodo/HOLOTYPE *Prionocera naskapi* Brodo, CNC No. 18350/744.
Paratypes: 3%, Quebec; 4%, Labrador.
Remarks: The holotype has its terminalia dissected and stored in a plastic microvial pinned with specimen.
- Prionocera woodorum*** Brodo, 1987, Evolut. Monogr. 8: 69. CANADA.
Holotype %: YUKON, Barlow Lake, km 612, Klondike Hwy., 20.VI.1982, G. & M. Wood/HOLOTYPE *Prionocera woodorum* Brodo, CNC No. 18351.
Allotype &: YUKON, km 141, Dempster Hwy., 24-28.VI.1982, G. & M. Wood/Allotype *Prionocera woodorum* Brodo No. 18351.
Paratypes: 2%, 1%, Yukon Territory; 1%, 1%, Northwest Territories.
Remarks: The holotype and allotype have the terminalia stored in plastic microvials pinned with the specimen.
- Psiloconopa cramptonella*** Alexander, 1931, Can. Ent. 63: 144. CANADA.
Paratype: 1%, Quebec, CNC No. 3189.
- Rhabdomastix (Sacandaga) subcaudata*** Alexander, 1927, Can. Ent. 59: 191. CANADA.
Holotype &: Moraine Lake, Alta., 2.VIII.1923, J. McDunnough/Holotype *Rhabdomastix subcaudata* Alex., CNC No. 2578/Holotype *Rhabdomastix subcaudata* C.P. Alexander.
Remarks: Right wing is missing from holotype.
- Rhabdomastix (Sacandaga) subfusciger*** Alexander, 1927, Can. Ent. 59: 192. CANADA.
Holotype %: Banff, Alta., 7.VIII.1922, C.B.D. Garrett/Aug. 7/Holotype *Rhabdomastix*

- subfasciger Alex., CNC No. 2579/Holotype Rhabdomastix subfasciger C.P. Alexander.
Allotype &: Same data as holotype, except 3.VIII.1922.
Paratypes: 3% 1&, Alberta.
Remarks: One male paratype has the terminalia dissected and stored in glycerine in a glass microvial.
- Stygeropsis parrioides*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 9. USA.
Holotype %: W. of Kangengevik, Camdin Bay, Alaska June/Canadian Arctic Expedition F.J., 1914/Holotype *Stygeropsis parrioides* Alex., CNC No. 249/Holotype *Stygeropsis parrioides* [sic] C.P. Alexander.
Paratypes: 4% Alaska.
Remarks: The right wing and both hind legs are missing from the holotype.
- Tricyphona autumnalis*** Alexander, 1917, Can. Ent. 49: 30. USA.
Paratype: 1% Quebec (Canada), CNC No. 259.
Remarks: Left wing and all legs except right hind are missing from paratype.
- Tricyphona brevifurcata*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 6. USA.
Holotype %: W. of Kangengevik, Camdin Bay, Alaska July 4/Canadian Arctic Expedition F.J. 1914/Holotype *Tricyphona brevifurcata* Alex., CNC No. 254/Holotype *Tricyphona brevifurcata* C.P. Alexander.
Remarks: Apex of both wings are missing from holotype.
- Tricyphona frigida*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 7. USA.
Holotype %: Ketchikan, South Alaska, Sept. 10/Canadian Arctic Expedition F.J. 1916/Holotype *Tricyphona frigida* Alex., CNC No. 255/Holotype *Tricyphona frigida* C.P. Alexander.
Allotype &: Same data as holotype.
Remarks: The abdomen and apex of right wing, plus all legs except left front, are missing from holotype.
- Tipula accurata*** Alexander, 1927, Can. Ent. 59: 184. CANADA.
Holotype %: Keremeos, B.C., 1.VIII.1923, C.B. Garrett/Holotype *Tipula accurata* Alex., CNC No. 2567/Holotype *Tipula accurata*, C.P. Alexander.
Allotype &: Same data as holotype, except 2.VIII.1923.
Paratypes: 1% Alberta; 4% British Columbia.
Remarks: Both middle and hind legs are missing from the holotype.
- Tipula besseloides*** Alexander, 1919, report of the Canadian Arctic Expedition 1913-18, 3: 15. CANADA.
Holotype %: Bernard Harbour, NWT., July 1-14/Canadian Arctic Expedition F.J. 1916/Holotype *Tipula besseloides* Alex., CNC No. 246/Holotype *Tipula besseloides* C.P. Alexander.
Remarks: The abdomen, all legs, and the right wing are missing from holotype.
- Tipula buccera*** Alexander, 1927, Can. Ent. 59: 187. CANADA.
Holotype %: Banff, Alta., 30.VIII.1921, C.B.D. Garrett/Holotype % *Tipula buccera* Alex., CNC No. 2565/Holotype *Tipula buccera* C.P. Alexander.
- Tipula difflava*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 12. CANADA.
Holotype %: Bernard Harbour, N.W.T., July 12/Canadian Arctic Expedition F.J. 1915/Holotype *Tipula difflava* Alex., CNC No. 243/Holotype *Tipula difflava* C.P. Alexander.
Allotype &: Herschel Isl., N.W.T./F. Johansen Coll./Canadian Arctic Expedition July 1916/Allotype *Tipula difflava* Alex., CNC No. 243/Allotype *Tipula difflava* C.P. Alexander.
Remarks: All legs are missing from the holotype; one wing is missing and the other is glued to a paper mount pinned with specimen.
- Tipula grenfelli*** Alexander, 1928, Can. Ent. 60: 96. CANADA.
Holotype %: Hopedale, Labr., 7.VII.1923/
Holotype *Tipula grenfelli* Alex., CNC No. 2566/Holotype *Tipula grenfelli* C.P. Alexander.
Paratype: 1% Labrador.
- Tipula hewitti*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 14. CANADA.
Holotype %: Bernard Harbour, N.W.T., July 1-14/Canadian Arctic Expedition F.J. 1916/Holotype *Tipula hewitti* Alex., CNC No. 248/Holotype *Tipula hewitti* C.P. Alexander.
Remarks: Both hind tibiae and tarsi are missing from holotype.
- Tipula ideii*** Alexander, 1928, Can. Ent. 60: 55. CANADA.
Holotype %: Burke Falls, Ont., 14.VII.1926, F.P. Ide/Holotype *Tipula ideii* Alex., CNC No. 2569/Holotype *Tipula ideii* C.P. Alexander.
- Tipula imbellis*** Alexander, 1927, Can. Ent. 59: 186. CANADA.
Holotype %: Osoyoos, B.C., 18.V.1923, C.B. Garrett/Holotype *Tipula imbellis* % Alex., CNC No. 2564/Holotype *Tipula imbellis* C.P. Alexander.
Remarks: All left legs, and the left wing are missing from holotype.
- Tipula johanseni*** Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 11. CANADA.
Holotype %: Bernard Harbour, N.W.T., July 10/Canadian Arctic Expedition F.J. 1916/Holotype *Tipula johanseni* Alex., CNC No. 244/Holotype *Tipula johanseni* C.P. Alexander.
Remarks: All legs and right wing are missing from holotype.
- Tipula packardi*** Alexander, 1928, Can. Ent. 60: 99. CANADA.
Holotype %: Hopedale, Labr., 24.VIII.1924, W.W. Perrett/Holotype *Tipula packardi* Alex., CNC No. 2562/Holotype *Tipula packardi* C.P. Alexander.
Remarks: The left wing and both front legs are missing from holotype.
- Tipula parshleyi*** Alexander, 1915, Proc. Acad. nat. Sci. Philad. 67: 510. USA.
Paratypes: 1% 1&, New Brunswick (Canada), CNC No. 3461.
- Tipula parvemarginata*** Alexander, 1926, Ent. News 37: 295. USA.
Paratypes: 1% Manitoba (Canada), CNC No. 2381.

- Tipula perparvula* Alexander, 1926, Insecutor Inscit. menstr. 14(7-9): 120. CANADA.
Holotype %: Aweme, Man., 29.VI.1924, N. Criddle/Holotype *Tipula perparvula* Alex., CNC No. 2380/Holotype *Tipula perparvula* C.P. Alexander.
- Tipula perretti* Alexander, 1928, Can. Ent. 60: 98. CANADA.
Holotype %: Hopedale Labr., 17.VII.1923/
Holotype *Tipula perretti* % Alex., CNC No. 2559/Holotype *Tipula perretti* C.P. Alexander.
Remarks: Right wing, and legs, except the left front and middle, are missing.
- Tipula productella* Alexander, 1928, Can. Ent. 60: 100. CANADA.
Holotype %: Hopedale, Labr., 13.IX.1923/
Holotype *Tipula productella* Alexander, CNC No. 2563/Holotype *Tipula productella* C.P. Alexander.
Remarks: The left wing, and all legs except left front are missing from holotype.
- Tipula subarctica* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 15. USA.
Holotype %: W. of Kangengevik, Camdin Bay, Alaska, July 4/Canadian Arctic Expedition F.J. 1914/Holotype *Tipula subarctica* Alex., CNC No. 247/Holotype *Tipula subarctica* C.P. Alexander.
Remarks: The head is missing from the holotype; all legs are missing except left hind leg; the apex of the right wing is also missing.
- Tipula subbarbata* Alexander, 1927, Can. Ent. 59: 185. CANADA.
Holotype %: Saskatoon, Sask., 17.VIII. R 1926, Kenneth M. King/Holotype *Tipula subbarbata* Alex., CNC No. 2568/Holotype *Tipula subbarbata* C.P. Alexander/Pupal case glued to paper mount.
Allotype &: Same data as holotype, except 27 August 1925.
Remarks: Head and all legs except left middle are missing from holotype. Pupal case is glued to paper mount, and pinned with holotype.
- Tipula subpolaris* Alexander, 1919, Report of the Canadian Arctic Expedition 1913-18, 3: 14. CANADA.
Holotype %: Bernard Harbour, N.W.T., July-Aug/Canadian Arctic Expedition F.J. 1915/Holotype *Tipula subpolaris* Alex., CNC No. 245/ Holotype *Tipula hewitti* subporalis C.P. Alexander.
Remarks: Both wings, and left middle and hind legs are missing from holotype.
- Tipula subserta* Alexander, 1928, Can. Ent. 60: 97. CANADA.
Holotype %: Hopedale, Labr., 18.VII.1923/
Holotype % *Tipula subserta* Alex., CNC No. 2560/Holotype *Tipula subserta* C.P. Alexander.
Allotype &: Same data as holotype, except 25.VII.1924, W.W. Perrett.
- Tipula youngi* Alexander, 1927, Can. Ent. 59: 218. CANADA.
Paratypes: 2%%, Ontario, CNC No. 2561.
- Tipula (Lunatipula) ampullifera* Mannheims, 1965, Fliegen Palaearkt. Reg. Lieferung 256: 195. SPAIN.
Paratype: 1&, Spain, CNC No. 7774.
- Tipula (Lunatipula) bulbosa* Mannheims, 1954, Bonn. zool. Beitr. Sonderband % Teil: 162. GREECE.
Paratype: 1%, Greece, CNC No. 16981.
- Tipula (Lunatipula) erato* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 179. GREECE.
Paratype: 1%, Greece, CNC No. 16990.
- Tipula (Lunatipula) forcipata* Mannheims & Theowald, 1959, Memorie Soc. ent. ital. 38: 36. ITALY.
Paratype: 1&, Italy, CNC No. 16989
Remarks: *caudicornuta* Mannheims *in lit. (nom. nud.)* = *forcipata* Mannheims & Theowald.
- Tipula (Lunatipula) soosi* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 160. CZECHOSLOVAKIA.
Paratypes: 1%, 1&, Hungary, CNC No. 16991.
- Tipula (Lunatipula) tersichore* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 180. GREECE.
Paratype: 1%, Greece, CNC No. 16992.
- Tipula (Lunatipula) urania* Mannheims, 1954, Bonn. zool. Beitr. Sonderband 1954, I. Teil: 178. GREECE.
Paratypes: 2&&, Greece, CNC No. 16993.

TRICHOCERIDAE

- Trichocera columbiana* Alexander, 1927, Can. Ent. 59: 70. CANADA.
Paratypes: 2%%, 2&&, British Columbia, CNC No. 2573.
Remarks: One male paratype has the apical portion of the abdomen and terminalia stored in a glass microvial pinned with specimen.
- Trichocera excilis* Dahl, 1967, Opusc. ent. 32(1-2): 71. CANADA.
Holotype %: Mile 36 M. of Dawson, Yukon 3000' 23.VIII.1949, P.F. Bruggemann/ Holotypus/ Holotype *Trichocera excilis* Dahl, CNC No. 17124/*Trichocera excilis* n.sp. % det. Christine Dahl 1967.
Paratypes: 2%%, Quebec.
Remarks: Holotype has the apical portion of the abdomen and terminalia stored in a plastic microtube pinned with specimen. Both paratypes have the terminalia mounted on a plastic microslide pinned with the specimen.
- Trichocera garretti* Alexander, 1927, Can. Ent. 59: 71. CANADA.
Paratype: 1%, British Columbia, CNC No. 2574.
Remarks: The abdomen and terminalia of the paratype is mounted on a plastic microslide (now badly deteriorated) with pinned specimen.
- Metatrichocera alexanderi* Dahl, 1967, Opusc. ent. 32(1-2): 59. CANADA.
Holotype %: Robson, B.C., 4.IV.1948, H.R. Foxlee/Holotypus/Holotype *Metatrichocera alexanderi* Dahl, CNC No. 17125/*Metatrichocera alexanderi* n.sp. % det. Christine Dahl 1967.

Remarks: The holotype has the abdomen and terminalia stored in a plastic microtube pinned with specimen. Both antennae are missing from the holotype.

Metatrichocera mackensie Dahl, 1967, Opusc. ent. 32(1-2): 60.
CANADA.

Holotype ♀: Reindeer Depot, Mackenzie Delta, 1.VIII.1948, J.R. Vockeroth/Holotype/
Holotype *Metatrichocera mackenzie* Dahl,
CNC No. 17126/*Metatrichocera mackenzie*
n.sp. ♀, det. Christine Dahl 1967.

Allotype ♂: same data as holotype, except
12.VIII.1948.

Paratypes: 1♀, 2♂♂, Northwest Territories.

Remarks: The holotype has the apical portion of the abdomen and terminalia stored in a plastic microtube pinned with specimen. The left wing is mounted on a plastic microslide pinned with specimen. One ♂ paratype has the terminalia mounted on a plastic microslide pinned with specimen, the other ♂ paratype has the terminalia stored in a plastic microtube pinned with specimen.

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INDEX

abana Curran, <i>Cricotopus</i>	22	<i>Forcipomyia</i>	12
abditia Peterson, <i>Cnephia</i>	67	anatinum Wood, <i>Simulium</i>	73
abditoides Wood, <i>Cnephia</i>	67	anderliceki Baranov, <i>Odagmia</i>	
abegena Väisänen, <i>Mycomya</i>	52	<i>ornata</i>	69
abetus Roback, <i>Procladius</i>	31	anderseni Saether, <i>Nanocladius</i>	28
abortivus Malloch, <i>Chironomus</i>	20	andersonorum Wirth & Grogan,	
abrevena Garrett, <i>Neuratelia</i>	56	<i>Bezzia</i>	8
abrupta Garrett, <i>Tanypus</i>	36	andina Duret, <i>Austrosynapha</i>	44
accola Vockeroth, <i>Cecidomyia</i>	6	andina Duret, <i>Stenophragma</i>	60
accrescens Väisänen, <i>Mycomya</i>	52	aneura Väisänen, <i>Mycomya</i>	52
accurata Alexander, <i>Tipula</i>	84	angusta Matile, <i>Ralytupa</i>	57
achrayi Kettle & Lawson,		angustipennis Alexander, <i>Erioptera</i>	82
<i>Culicoides</i>	10	annectens Saether, <i>Orthocladius</i>	29
acigus Saether, <i>Gymnometriocnemus</i>	25	annettae Borkent, <i>Stenochironomus</i>	35
acuta Cook, <i>Swammerdamella</i>	66	annulicrus Townes, <i>Tanytarsus</i>	38
acuta Garrett, <i>Bolitophila</i>	46	annuliductus Wirth, <i>Culicoides</i>	10
acutus Munroe, <i>Australosymmerus</i>	43	anomalis Freeman, <i>Stenochironomus</i>	34
adecrotis Cook, <i>Swammerdamella</i>	66	ansatus Reiss & Schurch,	
admiranda Zaitzev, <i>Sciophila</i>	58	<i>Virgatanytarsus</i>	39
adnilus Epler, <i>Dicrotendipes</i>	24	antecalvus Saether, <i>Antillocladius</i>	19
adolfolutzi Wygodzinsky <i>Simulium</i>	73	anticus Garrett, <i>Boletina</i>	45
aeria Saunders, <i>Forcipomyia</i>	15	antidactylatis Cook, <i>Aspistes</i>	65
aestivum Davies, Peterson & Wood,		antiguensis Saunders, <i>Forcipomyia</i>	15
<i>Simulium</i>	73	antomus Garrett, <i>Boletina</i>	45
agilis Gagné, <i>Phronia</i>	56	apicalis Walley, <i>Tanypus</i>	36
agnatum Baranov, <i>Simulium</i>	73	appersoni Sopenis, <i>Orthocladius</i>	29
aklavikensis Wirth & Grogan,		approximatum Peterson, <i>Prosimulium</i>	72
<i>Bezzia</i>	8	aquila Dietz, <i>Dicranomyia</i>	81
alacalufesi Duret, <i>Mycetophila</i>		archboldi Wirth & Blanton,	
<i>alascaensis</i> Alexander,	52	<i>Culicoides</i>	10
<i>Dicranomyia</i>	81	arctica Malloch, <i>Diamesa</i>	23
alaskensis Malloch, <i>Tanypus</i>	36	arctica Alexander, <i>Nephrotoma</i>	83
alberta Alexander, <i>Eriocera</i>	82	arcuata Garrett, <i>Sciara</i>	67
alberta Curran, <i>Mycetophila</i>	52	arcuata Garrett, <i>Tanypus</i>	36
alberta Curran, <i>Psychoda</i>	64	arcuata Sherman, <i>Tetragoneura</i>	60
albertae Keven & Cutten-Ali-Khan,		arcuata Väisänen, <i>Mycomya</i>	52
<i>Oreadomyia</i>	29	argentea Towns, <i>Harnischia</i>	25
albertense Peterson & Depner,		arizonensis Wirth & Hubert,	
<i>Prosimulium</i>	72	<i>Culicoides</i>	10
albertensis Wirth & Jones,		arizonensis Zaitzev, <i>Sciophila</i>	58
<i>Culicoides variipennis</i>	11	armata Brundin, <i>Lasiodiamesa</i>	26
albibasis Malloch, <i>Johannsenomyia</i>	16	armata Garrett, <i>Mycomya</i>	52
albicoxa Freeman, <i>Stenochironomus</i>	34	armatum Duret, <i>Echinopodium</i>	48
albihalter Wirth, <i>Mallochohelea</i>	17	arnaudi Clastrier & Wirth,	
albipalpus Borkent,		<i>Leptoconops</i>	16
<i>Stenochironomus</i>	35	arnaudi Laffoon, <i>Fungivora</i>	50
albiplumus Saether, <i>Cardiocladius</i>	20	articaudus Saether,	
albipunctata Wirth & Lee,		<i>Pseudochironomus</i>	33
<i>Paradasyhelea</i>	17	asilomer Clastrier & Wirth,	
albitarsis Banks, <i>Psychoda</i>	64	<i>Leptoconops</i>	16
albitibia Wirth, <i>Probezzia</i>	18	aspinosa Saunders, <i>Forcipomyia</i>	15
aldrichi Alexander, <i>Limnophila</i>	82	astacus Garrett, <i>Boletina</i>	45
alexanderi Dahl, <i>Metatrichocera</i>	85	astyla Spinelli & Wirth,	
alexanderi Laffoon, <i>Fungivora</i>	50	<i>Phaenobezzia</i>	17
alexandriana Garrett, <i>Chionea</i>	81	atchleyi Clastrier & Wirth,	
algira Vaillant, <i>Thaumalea</i>	79	<i>Leptoconops</i>	16
allicis Sublette, <i>Tanytarsus</i>	38	atelestes Hardy, <i>Philia breviceps</i>	6
alpestris Cook, <i>Scatopse</i>	66	ater Townes, <i>Tanytarsus</i>	38
alticola Schmid, <i>Thaumalea</i>	79	athalassicus Cannings, <i>Chironomus</i>	20
altiscutum Cook, <i>Colobostema</i>	65	atra Sherman, <i>Tetragoneura</i>	60
aluco Väisänen, <i>Mycomya</i>	52	atrella Townes, <i>Tendipes</i>	38
amaryllis Cook, <i>Rhexoza</i>	66	atripes Rempel, <i>Chasmatonotus</i>	20
amazonica Wirth & Blanton,		atripes Wirth, <i>Mallochohelea</i>	17
<i>Fittkauhelea</i>	12	atropatenica Schmid, <i>Thaumalea</i>	79
amica Gagné, <i>Trichonta</i>	61	atroviridis Townes, <i>Tendipes</i>	38
ampla Garrett, <i>Mycomya</i>	52	attenuata Saunders, <i>Forcipomyia</i>	13
amplexivirilia Hansen & Cook,		atus Garrett, <i>Mycomya</i>	52
<i>Diamesa</i>	23	augata Curran, <i>Psychoda</i>	64
amplicristatus Saether,		auripennis Alexander, <i>Limnophila</i>	82
<i>Rheocricotopus</i>	34	autumnalis Alexander, <i>Tricyphona</i>	84
ampullifera Mannheims, <i>Tipula</i>	85	autumnalis Garrett, <i>Mycomya</i>	52
anabaenae Chan & Saunders,		autumnalis Garrett, <i>Sceptonia</i>	58

avida Gagné, Phronia	56	brevicornis Wirth, Sphaeromias	18
aylmeri Garrett, Philorus	6	brevifurcata Alexander, Tricyphona	84
aysense Duret, Echinopodium	49	brevipennis Cook, Colobostema	65
babici Baranov, Odagmia ornata	69	brevis Garrett, Dixia	41
babiyi Rempel, Chironomus	21	brevisetata Saether, Orthocladius	29
bacrionis Borkent, Stenochironomus	34	brevisetata Väisänen, Mycomya	
badius Saether, Pseudochironomus	33	permixta	55
baffinense Twinn, Simulium	75	brevitarsata Laštovka, Fungivora	50
baltasardi Schmid, Thaumalea	79	briani Sopenis, Zalutschia	39
balteatus Borkent, Stenochironomus	35	britannica Laštovka & Kidd,	
banana Garrett, Diamesa	23	Mycetophila	52
banksianae Vockeroth, Cecidomyia	6	brnizense Baranov, Simulium	73
bartulici Baranov, Odagmia ornata	69	bromeliae Saunders, Forcipomyia	14
basalis Banks, Psychoda	64	browni Shaw, Sciara	67
basalis Malloch, Chironomus	20	browni Townes, Stenochironomus	34
basalis Malloch, Trichocladius		browni Twinn, Simulium	76
distinctus	39	bruna Roback, Conchapelopia	21
basalis Walley, Tanypus	36	brunneus Borkent, Xestochironomus	39
basifurca Vockeroth, Loicia	51	brunnicans Walley, Cricotopus	22
bayano Wirth, Culicoides	10	brunskilli Saether, Chaoborus	18
beameri Stains & Knowlton,		brusti Saether, Lasiodiamesa	27
Simulium	73	bucera Alexander, Tipula	84
beata Gagné, Trichonta	61	buckleyi Sublette, Tanytarsus	38
beckae Sublette, Pedionomus	31	bulbosa Mannheims, Tipula	85
becki Roback, Labrundinia	26	bulbosus Borkent, Xestochironomus	39
bejaranoi Duret, Echinopodium	49	burmanensis Oliver, Xylotopus	39
belemensis Wirth & Blanton,		byersi Prionocera, Brodo	83
Culicoides	10	byersi Väisänen, Mycomya	53
belkini Wirth & Atchley,		bystraki Grogan & Wirth,	
Leptoconops	16	Forcipomyia	13
bertae Duret, Mycetophila	52	cacticolus Wirth & Hubert,	
besseloides Alexander, Tipula	84	Culicoides	10
biannulata Wirth, Bezzia	8	caerulea Saunders, Forcipomyia	12
bicaudatus Saether, Doncricotopus	24	caesar Johannsen, Sciara	67
bicklei Wirth & Hubert,		caledonense Adler & Currie,	
Culicoides	10	Simulium	73
biclavata Shewell, Twinnia	78	californiensis Wirth & Atchley,	
bicolor Garrett, Macrocera	51	Leptoconops	16
bicolor Rempel, Chasmatonotus	20	calopum Baranoff, Simulium reptans	75
bicolor Saether, Baeoctenus	19	calvescens Saether, Hydrobaenus	25
bicolor Saunders, Forcipomyia	15	campbellicola Alexander, Erioptera	
bifasciata Garrett, Zygomyia	63	pilipes	82
bifida Garrett, Tanypus	36	cana Roback, Arctopelopia	19
bifidus Ewen, Atrichopogon	7	canadensis Bilyj, Larsia	26
bilobata Garrett, Bolitophila	46	canadensis Bystrak & Wirth,	
bilyji Saether, Platysmittia	31	Forcipomyia	13
bimaculatus Osten Sacken,		canadensis Downes, Brachypogon	9
Chasmatonotus	20	canadensis Garrett, Bibiocephala	6
biocellata Vockeroth, Adicroneura	43	canadensis Grogan & Wirth,	
biplectrum Cook, Colobostema	65	Palpomyia	17
bipunctata Matile, Chiasmoneura	47	canadensis Hearle, Simulium	
bisetosus Borkent, Stenochironomus	35	virgatum	75
blantoni Grogan & Wirth,		canadensis Wirth & Blanton,	
Jenkinshelea	16	Culicoides	10
blantoni Wirth & Ratanaworabhan,		canadensis Zaitzev, Sciophila	58
Neobezzia	17	canoak Väisänen, Mycomya	53
blarina Townes, Cryptochironomus	22	caribbea Wirth & Dow, Forcipomyia	12
bohemia Laštovka, Fungivora	50	caribbeana Saunders, Forcipomyia	15
borcici Baranov, Odagmia ornata	70	caribbeana Spinelli & Wirth,	
boreale Cook, Rhegmoclema	65	Alluaudomyia	7
borealis Cook, Chaoborus	18	caribbeanus Ewen, Atrichopogon	7
borealis Cook, Rhexoza	66	carolinensis Saether, Limnophyes	27
borealis Garrett, Diamesa	23	carpophaga Tripp, Phytophaga	7
borealis Malloch, Prosimulium	70	carri Curran, Bibio	5
bosnica Schmid, Thaumalea	79	carteri Hoffman, Leptoconops	16
bottimneri Wirth, Probezia	18	carvalhoi Wirth & Blanton,	
boyesi Alexander, Nephrotoma	83	Culicoides	10
branchicolus Saether, Nanacladius	29	cataractarum Craig, Simulium	76
bredini Wirth & Blanton,		catemaco Roback, Pelopia	31
Culicoides	10	caudatum Shewell, Prosimulium	70
brevicercum Knowlton & Rowe,		caurina Laffoon, Fungivora	50
Simulium	73	cekalovici Duret, Echinopodium	49
brevicornis Sherman, Rhymosia	57	cephala Garrett, Leia	51

cerifera Saunders, Forcipomyia	13	crassiseta Borkent & Forster,	
changii Saether,		Dasyhelea	12
Heterotrissocladius	25	crassiseta Laffoon, Fungivora	50
charensis Sponis, Orthocladius	29	criddlei Curran, Psychoda	65
cheimatophila Hansen & Cook,		crinita Saunders, Forcipomyia	13
Diamesa	23	crinitus Ewen, Atrichopogon	7
chelistyla Wirth & Grogan, Bezzia	8	cristatissimus Saether, Limnophyes	27
chilcotti Cook, Colobostema	65	cristatus Saether,	
chilense Duret, Echinopodium	49	Psilometriocnemus	33
chillcotti Alexander, Limonia	82	croatica Baranov, Odagmia	69
chillcotti Cook, Swammerdamella	66	cruciator Laffoon, Fungivora	50
chiobates Hansen & Cook, Diamesa	23	crusanticus Borkent,	
christata Garrett, Zygomyia	63	Stenochironomus	35
christulata Garrett, Zygomyia	63	cruscula Saether, Lenziella	27
churchillensis Ellis & Brust,		cryptica Prionocera, Brodo	83
Aedes	40	crypticus Epler, Dicrotendipes	24
cilium Oliver, Euryhopsis	24	cubita Garrett, Prodiamesa	33
clara Gagné, Trichonta	61	cubitus Garrett, Corynoneura	21
clarkei Sponis, Orthocladius	30	cucini Webb, Chironomus	20
clavata Garrett, Bolitophila	46	cumulatus Hirvenoja, Cricotopus	22
clavata Garrett, Sciara	67	cuneata Towns, Harnischia	25
clavatum Peterson, Prosimulium	72	cupida Gagné, Phronia	56
clavicornis Saunders,		currani Alexander, Dicranota	81
Camptocladius	19	currani Alexander, Gonomyia	82
clavipes Malloch, Simulium	73	currani Sublette, Orthocladius	29
clavus Roback, Procladius	32	currani Walley, Tanypus	37
clinoptecten Saether, Stilocladius	36	curryi Mason, Cryptochironomus	22
coffmani Roback, Tanytarsus	38	curtior Schmid, Thaumalea	79
colenae Hansen & Cook, Diamesa	23	curtistila Saether, Heleniella	25
collessi Munroe, Australosymmerus	43	curtus Roback, Procladius	32
coloradensis Saether, Limnophyes	27	cuzquena Duret, Austrosynapha	44
coloradensis Wirth, Bezzia	8	daktylos Walley, Chironomus	20
columbiaensis Hardy, Bibio	5	daviesi Peterson & Defoliart,	
columbiana Alexander, Trichocera	85	Prosimulium	71
columbiana Sherman, Dziedzickia	48	deagostinii Coscaron & Wygodzinsky,	
comata Laffoon, Fungivora	50	Simulium	74
compacta Matile, Ralytupa	57	decemarticulatum Twinn, Simulium	76
comptus Sublette & Wirth,		deceptrix Zwick, Liponeura	6
Xestochironomus	39	decipiens Hutson, Synneuron	78
concinna Laffoon, Fungivora	50	decolletum Adler & Currie,	
concolor Malloch, Forcipomyia		Simulium	74
pergandei	12	decolorata Baranov, Odagmia	
confera Garrett, Cordyla	47	croatica	69
conformis Zaitzev, Sciophila	58	deflexa Walley, Chironomus	20
confusa Garrett, Adiamesa	19	defoliarti Stone & Peterson,	
confusus Malloch, Tanytarsus	37	Simulium	74
confusus Monroe, Australosymmerus	44	delicata Gagné, Trichonta	61
congareanarum Dyar & Shannon,		delponteianum Wygodzinsky,	
Eusimulium	68	Simulium	74
congrua Colless, Perissomma	64	denaria Davies, Peterson & Wood,	
connectans Garrett, Bolitophila	46	Cnephia	68
consobrina Tjeder,		dendyi Sublette, Tanytarsus	38
Austrolimnophila	81	denticulatus Wirth & Hubert,	
constrictistylum Peterson,		Culicoides	10
Prosimulium	72	dentispina Saether,	
contenta Gagné, Trichonta	61	Compterosmittia	21
conus Mason, Cryptochironomus	22	dentolatens Saether, Phycoidella	31
cooki Saether, Chaoborus	18	dentus Roback, Procladius	32
cooki Saether, Heterotrissocladius	25	depectinata Saether, Monodiamesa	28
cooki Sponis, Orthocladius	30	desertensis Wirth & Hubert,	
coquila Garrett, Symmerus	60	Forcipomyia	12
corbis Twinn, Simulium	77	desis Roback, Procladius	32
cornuta Saunders, Forcipomyia	13	dicentrum Cook, Colobostema	65
cornuticaudatus Walley, Tanypus	37	dichopticoides Wood, Gymnopais	69
coronatum Duret, Echinopodium	49	dichopticus Stone, Gymnopais	69
corpulentus Ewen, Atrichopogon	7	dicum Dyar & Shannon, Prosimulium	71
costalis Wirth, Parabezzia	17	diderma Garrett, Sciara	67
costaricae Wirth & Ratanaworabhan,		differens Garrett, Boletina	45
Neobezzia	17	difficilis Garrett, Mycomya	53
coxale Garrett, Zygomyia	63	diflava Alexander, Tipula	84
craigi Adler & Currie, Simulium	74	digitata Reiss, Microspectra	28
cramptonella Alexander,		digitata Saether, Pseudosmittia	33
Psiloconopa	83	digitatus Saether,	
cranbrookii Garrett, Mycomya	53	Bryophaenocladus	19
crassicornis Saether, Nanocladius	29	dimorphus Malloch, Chironomus	20

dinarica Schmid, Thaumalea	79	fallax Sherman, Tetragoneura	60
diota Garrett, Sciara	67	fallisi Golini, Eusimulium	68
directus Dendy & Sublette, Tendipes	38	farinalis Walley, Chironomus	20
dirghakantaka Schmid, Thaumalea	79	fasciata Garrett, Ceratelion	47
disa Väisänen, Mycomya	53	fasciventris Malloch, Chironomus	20
discors Laffoon, Fungivora	50	fastigata Towns, Harnischia	25
discus Borkent, Stenochironomus	36	fattigi Cook, Scatopse	66
disjuncta Garrett, Empalia	50	fenestrata Malloch, Zygoneura	7
distincta Garrett, Dixia	41	ferringtoni Saether, Odontomesa	29
distincta Garrett, Macrocera	51	ferringtoni Sopenis, Orthocladius	30
distincta Garrett, Odontopoda	56	festi Gagné, Trichonta	62
distinctum Malloch, Simulium	74	festiva Zaitzev, Sciophila	59
distinctus Malloch, Trichocladius	38	fibriinflatum Twinn, Simulium	77
djerdapense Baranov, Simulium	74	fidelis Gagné, Trichonta	62
dominicanus Wirth & Blanton, Culicoides	10	fimbriatus Wood, Gymnopais	69
dorsalis Garrett, Dixia	41	fisherae Laffoon, Fungivora	50
dorsalis Wirth & Dow, Forcipomyia	14	flagellaria Garrett, Hesperinus	5
doveri Sommerman, Prosimulium	71	flannagani Saether, Cricotopus	22
dowi Bystrak & Wirth, Forcipomyia	13	flavescens Saunders, Forcipomyia	13
downesi Dow & Turner, Bezzia	8	flavidula Malloch, Johannseniella	16
downesi Grogan & Wirth, Palpomyia	17	flavus Ewen, Atrichopogon	7
downesi Steffan, Plecopteracoluthus	31	flebilis Gagné, Trichonta	62
downesi Wirth & Hubert, Culicoides	10	fluviatilis Dyar, Pericoma	64
downesi Wirth, Atrichopogon	8	fluvica Peters, Dixia	41
downesi Wirth, Parabezzia	17	folliculatus Saether, Limnophyes	27
dryas Gagné, Phronia	56	fontanum Syme & Davies, Prosimulium	71
dubius Malloch, Tanytarsus	37	fonticola Saether, Diamesa	23
duddingstoni Kettle & Lawson, Culicoides	10	fontinalis Saether, Syncricotopus	36
dumbletoni Crosby, Austrosimulium	67	forbesi Malloch, Simulium	74
dumicaudus Saether, Pseudorthocladius	33	forcipata Mannheims & Theowald, Tipula	85
duplex Shewell & Fredeen, Simulium		formosum Shewell, Prosimulium	71
johannseni	76	foulki Clastrier & Wirth, Leptoconops	16
duplus Garrett, Bolitophila	46	fragilis Walley, Tanypus	37
durus Garrett, Mycomya	53	fraterna Garrett, Dixia	41
dyari Garrett, Dixia	41	fraternum Twinn, Simulium	77
ebenina Alexander, Erioptera	82	freeborni Wirth & Blanton, Culicoides	10
echinata Garrett, Mycomya	53	freytagi Defoliart & Peterson, Cnephia	68
effusa Gagné, Phronia	56	frigida Alexander, Tricyphona	84
effusoides Saether, Rheocricotopus	34	frohnei Sommerman, Prosimulium	71
electa Alexander, Prionocera	83	frohnei Wirth & Blanton, Culicoides	10
elegans Duret, Echinopodium	49	frontispina Dow & Turner, Bezzia	9
emarginata Zaitzev, Sciophila	58	fulvithorax Malloch, Probezzia	18
emarginatum Davies, Peterson & Wood, Simulium	74	fulvithorax Shewell, Prosimulium	71
eminellobus Saether, Rheocricotopus	34	fulvus Johannsen, Diamesa	23
eminentia Mason, Cryptochironomus	22	furcarca Saether, Zalutschia	39
ensifer Saether & Sublette, Doithorix	24	furculatum Shewell, Eusimulium	68
ensifer Vockeroth, Drepanocercus	47	fusca Colless, Perissomma	64
eoelivus Saether, Parametricnemus	30	fusca Garrett, Orphnephila	79
erato Mannheims, Tipula	85	fuscicalcarata Bystrak & Wirth, Forcipomyia	13
eremites Shewell, Cnephia	68	fuscicaudatus Saigusa, Symmerus	60
errans Garrett, Dynatosoma	47	fuscipatellus Borkent, Stenochironomus	36
esox Väisänen, Mycomya	53	fuscipennis Wirth, Probezzia	18
esselbaughi Sommerman, Prosimulium	71	fuscovenosa Alexander, Limnophila	83
euryadmiculum Davies, Simulium	74	fuscum Syme & Davies, Prosimulium	71
exasperans Craig, Simulium	76	fusinervis Malloch, Ceratopogon	9
excillis Dahl, Trichocera	85	garretti Alexander, Ormosia	83
excisum Davies, Peterson & Wood, Simulium	76	garretti Alexander, Trichocera	85
eximia Gagné, Trichonta	61	garretti Walley, Tanypus	37
exserta Zaitzev, Sciophila	59	gaspensis Alexander, Eriocera	82
faceta Sherman, Rhymosia	57	gatineau Vockeroth, Aglaomyia	43
facilis Gagné, Trichonta	62	generosa Gagné, Trichonta	62
fairchildi Wirth, Bezzia	9	gentilis Gagné, Trichonta	62
falcifera Saunders, Forcipomyia	14	gibberella Wirth & Grogan, Bezzia	9
falkei Matile & Vockeroth, Acanemia	43	gibsoni Alexander, Dicranomyia	81
		gibsoni Twinn, Simulium	77

<i>gigas</i> Root & Hoffman, <i>Culicoides</i>	10	<i>impedens</i> Borkent, <i>Stenochironomus</i>	35
<i>gilvus</i> Borkent, <i>Xestochironomus</i>	39	<i>imperator</i> Walley, <i>Chironomus</i>	20
<i>glabalis</i> Saether, <i>Lipurometriocnemus</i>	28	<i>imperatrix</i> Väisänen, <i>Mycomya</i>	53
<i>gladius</i> Borkent, <i>Stenochironomus</i>	35	<i>implicatus</i> Vockeroth, <i>Aedes</i>	40
<i>glumovoense</i> Baranov, <i>Simulium</i> <i>reptans</i>	75	<i>impostor</i> Peterson, <i>Prosimulium</i>	72
<i>godavarensis</i> Reiss, <i>Tanytarsus</i>	38	<i>inca</i> Duret, <i>Platyroptilon</i>	56
<i>godavarius</i> Lehmann, <i>Rheocricotopus</i>	34	<i>incisa</i> Cook, <i>Rhexoza</i>	66
<i>gracilis</i> Dietz, <i>Limnobia</i>	82	<i>incomptus</i> Saether, <i>Nanocladius</i>	29
<i>gracilistylus</i> Brundin, <i>Boreochlus</i>	19	<i>inconspicuus</i> Ewen, <i>Atrichopogon</i>	7
<i>grandis</i> Garrett, <i>Dynatosoma</i> <i>huliphila</i>	48	<i>inconspicuus</i> Malloch, <i>Tanypus</i>	37
<i>grandis</i> Garrett, <i>Neuratelia</i>	56	<i>incultus</i> Ewen, <i>Atrichopogon</i>	8
<i>gredosensis</i> Schmid, <i>Thaumalea</i>	80	<i>incurvus</i> Sublette, <i>Chironomus</i>	21
<i>gregsoni</i> Wirth & Blanton, <i>Culicoides</i>	10	<i>indistinctus</i> Malloch, <i>Chironomus</i>	20
<i>grenfelli</i> Alexander, <i>Tipula</i>	84	<i>inflatum</i> Davies, <i>Prosimulium</i>	71
<i>gretis</i> Roback, <i>Procladius</i>	32	<i>infusata</i> Malloch, <i>Probezzia</i>	18
<i>griseus</i> Curran, <i>Bibionus</i>	6	<i>innocens</i> Shewell, <i>Eusimulium</i>	68
<i>guelminoi</i> Baranov, <i>Odagmia ornata</i>	70	<i>innocuus</i> Williston, <i>Chironomus</i>	21
<i>hackmani</i> Väisänen, <i>Mycomya</i>	53	<i>insidiosa</i> Matile, <i>Orfelia</i>	56
<i>haematopotus</i> Malloch, <i>Culicoides</i>	10	<i>insidiosa</i> Serra-Tosia, <i>Diamesa</i>	23
<i>hamatus</i> Garrett, <i>Mycomya</i>	53	<i>insignis</i> Vockeroth, <i>Macrocera</i>	51
<i>hamiltoni</i> Saether & Sublette, <i>Doithorix</i>	24	<i>insolatus</i> Wirth & Hubert, <i>Culicoides</i>	10
<i>hamiltoni</i> Saether, <i>Limnophyes</i>	27	<i>insolitum</i> Duret, <i>Echinopodium</i>	49
<i>hamiltoni</i> Saether, <i>Protanypus</i>	33	<i>intermedia</i> Cook, <i>Villoscatopse</i>	66
<i>hamiltoni</i> Saether, <i>Trissocladius</i>	39	<i>intermedia</i> Saunders, <i>Forcipomyia</i>	13
<i>hanseni</i> Wirth & Sublette, <i>Trichotanypus</i>	39	<i>intermedia</i> Schmid, <i>Thaumalea</i>	80
<i>harpegonata</i> Wirth & Soria, <i>Forcipomyia</i>	12	<i>interrupta</i> Banks, <i>Psychoda</i>	64
<i>harrisoni</i> Saether, <i>Diplosmittia</i>	24	<i>involuta</i> Alexander, <i>Limonia</i>	82
<i>harrisoni</i> Wirth, <i>Paradasyhelea</i>	17	<i>iowensis</i> Zaitzev, <i>Sciophila</i>	59
<i>harti</i> Malloch, <i>Aspistes</i>	65	<i>islandica</i> Väisänen, <i>Mycomya</i>	53
<i>hastulatus</i> Saether, <i>Limnophyes</i>	27	<i>jacobi</i> Hardy, <i>Biblio</i>	5
<i>hazenensis</i> Soponis, <i>Orthocladius</i>	30	<i>jamnbacki</i> Wirth & Hubert, <i>Culicoides</i>	10
<i>hearlei</i> Twinn, <i>Simulium</i>	77	<i>jamnbacki</i> Wirth & Williams, <i>Monohalea</i>	17
<i>hellenthali</i> Soponis, <i>Orthocladius</i>	30	<i>jamnbacki</i> Wirth, <i>Probezzia</i>	18
<i>hemiatea</i> Garrett, <i>Leia</i>	51	<i>janetscheki</i> Reiss, <i>Micropsectra</i>	28
<i>heterodoxa</i> Schmid, <i>Thaumalea</i>	80	<i>jeanae</i> Defoliart & Peterson, <i>Cnephia</i>	68
<i>hewitti</i> Alexander, <i>Tipula</i>	84	<i>jocosa</i> Saunders, <i>Forcipomyia</i>	15
<i>hewitti</i> Hearle, <i>Aedes</i>	40	<i>johannseni</i> Garrett, <i>Dixa</i>	41
<i>himalayana</i> Schmid, <i>Thaumalea</i>	80	<i>johannseni</i> Hart, <i>Simulium</i>	74
<i>hirta</i> Saether, <i>Heleniella</i>	25	<i>johannseni</i> Sherman, <i>Dziedzickia</i>	48
<i>hirtapex</i> Saether, <i>Heterotrissocladius</i>	25	<i>johannsoni</i> Garrett, <i>Sceptonia</i>	58
<i>hirticornis</i> Wood, <i>Twinnia</i>	78	<i>johanseni</i> Alexander, <i>Tipula</i>	84
<i>hirtipectus</i> Saether, <i>Parachaetocladius</i>	30	<i>josephi</i> Cook, <i>Colobostema</i>	65
<i>hirtus</i> Loew, <i>Biblio</i>	5	<i>jubatus</i> Borkent, <i>Stenochironomus</i>	35
<i>holopticoideus</i> Wood, <i>Gymnopsis</i>	69	<i>jucunda</i> Garrett, <i>Boletina</i>	45
<i>holopticus</i> Stone, <i>Gymnopsis</i>	69	<i>juno</i> Curran, <i>Psychoda</i>	65
<i>hubbelli</i> Alexander, <i>Ormosia</i>	83	<i>justa</i> Gagné, <i>Trichonta</i>	62
<i>hudsoni</i> Saether, <i>Hydrobaenus</i>	26	<i>kamloopsi</i> Hearle, <i>Simulium</i>	74
<i>hudsoni</i> Saether, <i>Limnophyes</i>	27	<i>karakoramica</i> Schmid, <i>Thaumalea</i>	80
<i>huliphila</i> Garrett, <i>Dynatosoma</i>	48	<i>karelica</i> Zaitzev, <i>Sciophila</i>	59
<i>humicolus</i> Ewen, <i>Atrichopogon</i>	7	<i>kenorensis</i> Saether, <i>Rheocricotopus</i>	34
<i>humidus</i> Garrett, <i>Mycomya</i>	53	<i>kernensis</i> Wirth, <i>Palpomyia</i>	17
<i>hunteri</i> Malloch, <i>Simulium</i>	74	<i>kiefferi</i> Garrett, <i>Paratanypus</i>	31
<i>hyrcanica</i> Schmid, <i>Thaumalea</i>	80	<i>kincaidi</i> Quate, <i>Pericoma</i>	64
<i>icasta</i> Alexander, <i>Gonomyia</i>	82	<i>knowltoni</i> Clastrier & Wirth, <i>Leptoconops</i>	16
<i>idahoense</i> Twinn, <i>Simulium</i>	77	<i>knowltoni</i> Twinn, <i>Simulium</i>	77
<i>idei</i> Alexander, <i>Tipula</i>	84	<i>knuthi</i> Soponis, <i>Orthocladius</i>	30
<i>idei</i> Walley, <i>Tanypus</i>	37	<i>kondici</i> Baranoff, <i>Odagmia</i>	70
<i>illinoensis</i> Malloch, <i>Chironomus</i>	20	<i>koreanus</i> Borkent, <i>Stenochironomus</i>	34
<i>illinoensis</i> Malloch, <i>Tanypus</i>	37	<i>kraussi</i> Grogan & Wirth, <i>Brachypogon</i>	9
<i>illoba</i> Oliver, <i>Euryhopsis</i>	24	<i>labradorensis</i> Saether, <i>Hydrobaenus</i> <i>conformis</i>	26
<i>imbellis</i> Alexander, <i>Tipula</i>	84	<i>lacicola</i> Arnaud, <i>Culicoides</i>	11
<i>immucronatus</i> Saether, <i>Limnophyes</i>	27	<i>lacteipennis</i> Curran, <i>Biblio</i>	5
<i>impar</i> Davies, Peterson & Wood, <i>Simulium</i>	74	<i>laculata</i> Oliver & Roussel, <i>Brillia</i>	19
<i>impectinus</i> Saether, <i>Bryophaenocladius</i>	19	<i>laffooni</i> Zaitzev, <i>Sciophila</i>	59
		<i>lahontan</i> Wirth & Blanton, <i>Culicoides</i>	11
		<i>lanei</i> Duret, <i>Platyroptilon</i>	56
		<i>lanei</i> Wirth, <i>Echinohelea</i>	12

lanei Wirth, Johannsenomyia	16	Monohalea	17
languida Gagné, Trichonta	62	magnum Dyar & Shannon, Prosimulium	71
lascivum Twinn, Simulium	76	malardei Craig, Simulium	76
lasiops Malloch, Camptocladus	19	malayae Saunders, Forcipomyia	15
lassenica Quate, Pericoma	64	malifero Garrett, Procladius	31
lassenica	64	mallochi Walley, Tanypus	37
laticaudus Saether,		mallochi Wirth, Nilobezzia	17
Bryophaenocladus	19	manitobensis Alexander, Erioptera	82
laticaudus Saether, Hydrobaenus	26	manitobensis Saether, Orthocladus	29
latilaminus Saether,		marceda Sherman, Tetragoneura	61
Heterotrissocladis	25	margaretae Saether, Limnophyes	27
latilobus Borkent, Xestochironomus	39	marginalis Banks, Psychoda	64
lebetis Sublette, Cricotopus	22	marinus Saunders, Camptocladus	19
leei Wirth & Ratanaworabhan,		marionensis Saether,	
Forcipomyia	15	Gymnometriocnemus	24
leoniella Hansen & Cook, Diamesa	23	markii Garrett, Philorus	6
leporina Väisänen, Mycomya	54	martini Peterson, Prosimulium	72
leptobranchia Waugh & Wirth,		martini Saether, Hydrobaenus	26
Dasyhelea	12	masoni Cook, Arthria	65
leptocelloides Webb, Stempellina	36	matrona Väisänen, Mycomya	54
limneticus Sublette, Tanytarsus	38	maya Spinelli & Wirth,	
lindneri Mannheims, Pales	83	Phaenobezzia	17
lingulata Saether, Zalutschia		mc-dunnoughi Alexander, Limnophila	82
lingulata	40	mediovittatum Knab, Simulium	74
linleyi Wirth & Atchley,		magentica Curran, Psychoda	65
Leptoconops	16	melanderi Cook, Rheymoclemina	66
litorale Baranov, Simulium		melanopilosus Hardy, Bibio	5
columbaczense	73	mendli Reiss, Parapspectra	31
lividella Väisänen, Mycomya	54	merita Gagné, Trichonta	62
lobatus Garrett, Dixia	41	messersmithi Wirth & Dow,	
lobatus Munroe, Australosymmerus	43	Forcipomyia	14
lobayensis Matile, Parempheria	56	micomiconsa Schmid, Thaumalea	80
loerchae Adler, Simulium	74	midea Väisänen, Mycomya	54
longicornis Ewen, Atrichopogon	8	midorensis Arnaud, Culicoides	11
longicosta Oliver, Irisobrillia	26	minimus Saether, Nanocladus	29
longineura Saunders, Forcipomyia	13	minnesotae Barr, Culiseta	41
longipes Loew, Bibio	5	minus Dyar & Shannon, Eusimulium	69
longispina Saunders, Forcipomyia	14	minuta Wirth & Lee, Paradasyhelea	17
longistylatum Shewell, Simulium	76	minuta Zaitzev, Sciophila	59
lotii Craig, Simulium	76	minutus Munroe, Australosymmerus	44
lucens Hardy, Bibio	5	mixtum Syme & Davies, Prosimulium	71
luciae LeSage & Harrison,		modesta Zaitzev, Sciophila	59
Cricotopus	22	modestus Say, Dicrotendipes	24
lupicaris Downes & Kettle,		mohave Wirth & Grogan, Bezzia	9
Culicoides	11	mohave Wirth, Culicoides	11
lurida Garrett, Diamesa	23	monochaeta Loew, Mycetophila	52
lutealis Väisänen, Mycomya	54	monoensis Wirth, Culicoides	11
luteifurcatus Sublette & Wirth,		montana Zaitzev, Sciophila	59
Xestochironomus	39	montanus Garrett, Boletina	45
luteiventris Wirth & Grogan,		montanus Garrett, Dixia	42
Bezzia	9	montanus Garrett, Dynatosoma	48
luteogrisea Wirth & Williams,		montanus Wirth & Blanton,	
Dasyhelea	12	Culicoides	11
lutosopra Garrett, Prodiamesa	33	montorum Munroe, Australosymmerus	44
macateei Väisänen, Mycomya	54	morotoensis McCrae & Prentice,	
macedonica Schmid, Thaumalea	80	Paracnephia	70
mackenzie Dahl, Metatrichocera	86	mortuifolii Saunders, Forcipomyia	14
mackenziensis Oliver, Cricotopus	22	multidentatum Twinn, Simulium	77
macraei Saether, Cricotopus	22	multivirga Saether, Unniella	39
macroides Curran, Gnoriste	51	munroei Duret, Echinopodium	49
maculatus Borkent, Stenochironomus	36	myriophylli Oliver, Cricotopus	22
maculatus Munroe, Australosymmerus	44	mysticum Peterson, Prosimulium	72
maculatus Roback, Procladius	31	nanarupa Schmid, Thaumalea	80
maculosus Ewen, Atrichopogon	8	naskapi Brodo, Prionocera	83
magellani Munroe, Australosymmerus	43	nasthecus Saether,	
magna Garrett, Boletina	45	Paraphaenocladus	31
magna Garrett, Mycomya	54	nasuta Matile, Ralytupa	57
magnifica Cook, Swammerdamella	66	natalensis Stuckenberg, Elporia	6
magnifica Väisänen, Mycomya	54	natchitochae Sublette, Chironomus	21
magnificus Munroe,		navaiae Bystrak & Wirth,	
Australosymmerus	43	Forcipomyia	13
magnisetula Dow & Turner, Bezzia	9	nearctica Brundin, Lasiodiamesa	27
magnitheca Wirth & Grogan,		nearcticus Dyar, Aedes	40

nebulosum Currie & Adler, Simulium	76	paltidus Hardy, Bibio knowltoni	5
neocotus Hardy, Bibio	5	pan Matile, Syndocosia	60
neoliciae Garrett, Dixia	42	panni Reiss, Tanytarsus	38
neofagineus Wirth & Blanton, Culicoides	11	pannus Borkent, Stenochironomus	36
neohyalinata Väisänen, Mycomya	54	paragretis Roback, Procladius	32
neolittoralis Väisänen, Mycomya	54	parahebes Zaitzev, Sciophila	59
neomacropyga Peterson, Prosimulium	73	parnassum Malloch, Simulium	74
nepalensis Lehmann, Rheocricotopus	34	parrioides Alexander, Stygeropsis	84
nepalensis Munroe, Symmerus	60	parshleyi Alexander, Tipula	84
nepalensis Zaitzev, Sciophila	59	partita Saether, Plhudsonia	31
nerius Curran, Camptocladus	20	parva Garrett, Cordyla	47
nevadensis Zwick, Liponeura	6	parvemarginata Alexander, Tipula	84
nietus Roback, Procladius	33	parvilamellatus Malloch, Chironomus	21
niger Borkent, Stenochironomus	34	parvus Garrett, Dixia	42
nigra Wirth, Probezzi	18	patagonica Duret, Aysenmyia	45
nigrifemoratus Hardy, Bibio	5	patagonica Duret, Dziedzickia	48
nigrina Baranov, Odagmia croatica	69	patagonicum Duret, Echinopodium	49
nigrita Curran, Bibio lacteipennis	5	patrihortae Saether, Mesosmittia	28
nigroparvum Twinn, Simulium	77	patulosa Garrett, Bolitophila	46
nigrovittatus Malloch, Chironomus	21	pauca Saether, Zalutschia lingulata	40
nikolici Baranov, Odagmia ornata	70	pauciseta Saether, Rheocricotopus	34
ninae Saether, Limnophyes	27	paucunca Saether, Eukiefferiella	24
nicicavernicola Hansen & Cook, Diamesa	23	pectinata Sherman, Rhymosia	57
nodosa Saunders, Forcipomyia	15	pectinatus Borkent, Stenochironomus	35
novagallica Väisänen, Mycomya	54	peleensis Walley, Tanypus	37
novum Dyar & Shannon, Prosimulium	71	penai Duret, Austrosynapha	44
nubilipennis Yamamoto, Stenochironomus	34	penai Duret, Dziedzickia	48
nudalus Saether, Heterotanytarsus	25	penai Duret, Echinopodium	49
nudipes Vockeroth, Baeopterogyna	45	penai Duret, Platyroptilon	56
nudipupa Borkent, Stenochironomus	35	pentalineata Wirth & Hubert, Dasyhelea	12
nudiradius Saether, Limnophyes	28	perennis Saether, Heterotanytarsus	25
obscura Garrett, Neuratelia	56	perissum Dyar & Shannon, Simulium	75
obscurus Ewen, Atrichopogon	8	perlata Garrett, Bolitophila	46
obseptus Webb, Orthocladus	29	perparvula Alexander, Tipula	85
obtusa Alexander, Antocha	81	perretti Alexander, Tipula	85
obtusa Byers, Chionea	81	perspicuum Sommerman, Prosimulium	71
obtusa Cook, Swammerdamella	66	pertinax Garrett, Prodiamesa	33
occidentalis Cook, Aspistes	65	peruana Duret, Austrosynapha	44
occidentalis Garrett, Dixia	42	peruensis Munroe, Australosymmerus	43
occidentalis Sherman, Dziedzickia	48	personi Stone & Defoliart, Simulium	78
occidentalis Wirth & Jones, Culicoides variipennis	12	picaea Felt, Phytophaga	7
occidentalis Wirth, Atrichopogon	8	pictus Coquillett, Ceratopogon	9
oconeensis Saether, Compteromesa	21	pilicaudatus Walley, Tanypus	37
okoboji Walley, Tanypus	37	pilicellata Grodhaus, Phaenopsectra	31
oligarthra Saunders, Forcipomyia	15	pilicistulus Saether, Limnophyes	28
oliveri Saether, Chaetocladus	20	pilicuspis Saether, Cryptotendipes	23
oliveri Saether, Heterotrissocladus	25	pilipodex Saether, Hydrobaenus	26
oliveri Sopenis, Orthocladus	30	piloala Garrett, Linacerus	28
olympiae Wirth & Blanton, Paradasyhelea	17	pilocapsulus Saether, Cricotopus	22
ontario Walley, Chironomus	21	pilosa Garrett, Macrocera	51
ophioides Townes, Polypedilum	31	pilosa Garrett, Orphnephila	79
oreas Gagné, Phronia	56	pilosa Garrett, Zygomia	63
orillia Curran, Psychoda	65	pilosum Duret, Echinopodium	49
ornithophilia Davies, Peterson & Wood, Cnephia	68	pilosum Knowlton & Rowe, Eusimulium	69
orthogonia Oliver, Pagastia	30	pionips Dyar, Aedes	40
osborni Stains & Knowlton, Eusimulium	69	placida Gagné, Trichonta	62
ostansa Webb, Paralauterborniella	30	platyphallus Alexander, Limnophila	83
ostensackeni Väisänen, Mycomya	54	plebeiella Grogan & Wirth, Palpomyia	17
ottawaense Twinn, Simulium	78	plexipus Garrett, Dixia	42
oviducta Garrett, Mycomya	55	plexipus Garrett, Eudicrana	50
pacificensis Hearle, Aedes	40	plumosa Van Duzee, Rhymosia	57
pacificus Saunders, Camptocladus	20	pluridentata Zaitzev, Sciophila	59
packardi Alexander, Tipula	84	poeyi Garrett, Isoeacta	16
pallens Twinn, Simulium baffinense	75	pollitus Malloch, Tanytarsus	38
palliaculeatus Borkent, Stenochironomus	34	polleni Garrett, Mycomya	55
pallida Malloch, Probezzi	18	pollux Borkent & Forster, Dasyhelea	12

pollinivorus Downes, Atrichopogon	8	retifinis Saether, Brillia	19
polypori Vockeroth, Acadia	43	revelata Wygodzinsky & Diaz Najera, Tlalocomyia	78
ponderosus Sublette, Chironomus	21	rhamphe Sublette, Ablabesmyia	18
popayanensis Wirth & Lee, Culicoides	11	rhicnoptiloides Alexander, Limnophila	82
potamogeti Towns, Harnischia	25	richardsoni Malloch, Pseudochironomus	33
praeda Väisänen, Mycomya	55	rivuli Twinn, Simulium	76
prima Baranov, Odagmia ornata	70	robacki Sopenis, Orthocladius	30
prima Baranov, Wilhelmia equina	78	robur Garrett, Tetragoneura	61
prima Cook, Villoscatopse	66	rodesta Webb, Stempellina	36
productella Alexander, Tipula	85	rosenbergi Bilyj, Guttipelopia	24
profundale Baranov, Simulium columbaczense	73	rosewalli Wirth, Probezziia	18
prolilobata Saether, Monodiamesa	28	rowensis Saether, Adactylocladius	19
prolixa Saether, Mesosmittia	28	rudis Garrett, Dixia	42
prolixa Sherman, Rhymosia	57	rufa Van Duzee, Apemon	43
prolongatus Roback, Procladius	32	ruficornis Baranoff, Odagmia	70
propria Zaitzev, Sciophila	59	rufitibialis Hardy, Bibio jacobi	5
prudens Curran, Psychoda	64	ruris Roback, Procladius	32
prudens Walley, Tanypus	37	rutila Sherman, Dziedzickia	48
pseudoarmata Duret, Dziedzickia	48	ruwenzoriensis Freeman, Diamesa ryckmani Wirth & Hubert, Culicoides	24
pseudochiopterus Downes & Kettle, Culicoides	11	ryckmani Wirth & Hubert, Dasyhelea	11
pseudocinta Waugh & Wirth, Dasyhelea	12	sabroskyi Colless, Allodia	43
pseudocolumbaczense Baranov, Simulium reptans	75	sabroskyi Wirth & Grogan, Phaenobezziia	17
pseudodiantaeus Smith, Aedes	41	saetheri Wiederholm, Protanypus	33
pseudofasciata Grogan & Wirth, Amerohelea	7	safena Väisänen, Mycomya	55
pseudoreducta Duret, Austrosynapha	44	saga Väisänen, Mycomya	55
pseudotsugae Hedlin & Johnson, Camptomysia	6	saileri Stone, Cnephia	68
pseudoviridis Malloch, Chironomus	21	saileri Wirth, Bezziia	9
pukovacense Baranov, Simulium reptans	75	saltonensis Wirth, Culicoides cockerellii	10
pulchra Gagné, Trichonta	62	salva Gagné, Trichonta	62
punctus Garrett, Boletina	46	sanctaecatharinae Thompson, Lygistorrhina	51
pura Väisänen, Mycomya	55	sanctivincenta Saether, Thienemanniella	38
puracensis Wirth & Lee, Culicoides	11	sandersoni Wirth & Grogan, Bezziia	9
pusa Saether, Zalutschia	40	sanmartini Wirth & Barreto, Culicoides	11
pyriformis Väisänen, Mycomya	55	saskatchewanana Shewell & Fredeen, Cnephia	68
quadratus Sublette, Tanytarsus	38	sassafras Felt, Dasyneura	6
quadrinotatus Borkent, Stenochironomus	35	satchelli Quate, Psychoda	64
quarta Baranov, Wilhelmia equina	78	saundersi Ewen, Atrichopogon	8
quasicornuta Saunders, Forcipomyia	13	savici Baranov, Odagmia ornata	70
quatei Hardy, Plecia	6	scanloni Wirth & Hubert, Culicoides	11
quebecense Twinn, Simulium	76	scapulapilosus Saether, Hydrobaenus	26
raca Garrett, Bolitophila	47	scapularis Loew, Tanypus	37
rachiphaga Tripp, Dasyneura	6	schajovskoyi Duret, Mycetophila	52
ramosus Saether, Protanypus	33	scimitarus Townes, Cryptochironomus	23
ramus Mason, Cryptochironomus	22	scopula Townes, Xenochironomus	39
ranota Webb, Stempellina	36	scotiae Curran, Psychoda	65
raposoensis Wirth & Barreto, Culicoides	11	scoticus Downes & Kettle, Culicoides	11
recisus Saether, Limnophyes	28	scutellata Garrett, Cordyla	47
recula Laffoon, Fungivora	50	secunda Baranov, Odagmia ruficornis	70
recurva Garrett, Bolitophila	47	secura Gagné, Trichonta	62
reducta Matile & Vockeroth, Robsonomyia	58	sedata Gagné, Trichonta	62
reeksi Vockeroth, Cecidomyia	6	sedna Oliver, Lauterbornia	27
reesi Clastrier & Wirth, Leptoconops	16	sedula Gagné, Trichonta	63
reissi Borkent, Stenochironomus	34	semicirculatus Saether, Psectrocladus	33
reissi Cranston & Saether, Acamptocladus	19	semifimbriata Saether, Thienemanniella	38
remigatus Ewen, Atrichopogon	8	seminigra Sherman, Rhymosia	57
rempeli Vockeroth, Aedes	41	senatus Walley, Tanypus	37
remus Sublette, Cricotopus	22		
rendalense Golini, Eusimulium	69		
repentina Reiss, Microspectra	28		
reticulatum Cook, Rhegmoclema	66		

<i>septentrionalis</i> Zaitzev, <i>Sciophila</i>	59	<i>superba</i> Gagné, <i>Trichonta</i>	63
<i>sepulta</i> Laffoon, <i>Fungivora</i>	50	<i>susanae</i> Peterson, <i>Prosimulium</i>	72
<i>sequax</i> Garrett, <i>Prodiamesa</i>	33	<i>suzonae</i> Schmid, <i>Thaumalea</i>	81
<i>serena</i> Gagné, <i>Trichonta</i>	63	<i>sybleae</i> Wirth, <i>Johannsenomyia</i>	16
<i>sergioi</i> Duret, <i>Austrosynapha</i>	44	<i>synchrona</i> Oliver, <i>Einfeldia</i>	24
<i>sericata</i> Hardy, <i>Bibio</i>	5	<i>taiwana</i> Saigusa, <i>Boletina</i>	46
<i>serotinus</i> Loew, <i>Dilophus</i>	5	<i>tarella</i> Roback, <i>Ablabesmyia</i>	18
<i>serrata</i> Garrett, <i>Dixa</i>	42	<i>tchaturskona</i> Schmid, <i>Thaumalea</i>	81
<i>setavena</i> Saether, <i>Pseudosmittia</i>	33	<i>telema</i> Roback, <i>Conchapelopia</i>	21
<i>setigera</i> Saunders, <i>Forcipomyia</i>	14	<i>tenuicaudatus</i> Malloch, <i>Chironomus</i>	21
<i>setosinotum</i> Wirth & Grogan, <i>Bezzia</i>	9	<i>tenuistylus</i> Wirth, <i>Culicoides</i>	11
<i>shawi</i> Laffoon, <i>Fungivora</i>	50	<i>tenuitarsus</i> Baranov, <i>Odagmia</i>	70
<i>shermani</i> Garrett, <i>Boletina</i>	46	<i>terminata</i> Garrett, <i>Mycomya</i>	55
<i>shermani</i> Garrett, <i>Leia</i>	51	<i>terpsichore</i> Mannheims, <i>Tipula</i>	85
<i>shermani</i> Garrett, <i>Mycomya</i>	55	<i>terrea</i> Gagné, <i>Phronia</i>	56
<i>shewelli</i> Peterson & Defoliart, <i>Prosimulium</i>	72	<i>terrestris</i> Saunders, <i>Forcipomyia</i>	15
<i>shewelli</i> Väisänen, <i>Mycomya</i>	55	<i>tescorum</i> Stone & Boreham, <i>Simulium</i>	78
<i>sierrensis</i> Wirth & Blanton, <i>Culicoides</i>	11	<i>teskeyi</i> Cook, <i>Rhexoza</i>	66
<i>simici</i> Baranov, <i>Aedes</i>	40	<i>texensis</i> Grogan & Wirth, <i>Parabezzia</i>	17
<i>similis</i> Garrett, <i>Macrocera</i>	51	<i>thanatogratus</i> Epler, <i>Dicrotendipes</i>	24
<i>similis</i> Garrett, <i>Tetragoneura</i>	61	<i>theodori</i> Matile, <i>Asindulum</i>	43
<i>similis</i> Malloch, <i>Simulium</i>	75	<i>thienemanni</i> Reiss, <i>Neostempellina</i>	29
<i>simplex</i> Garrett, <i>Bolitophila</i>	47	<i>thula</i> Väisänen, <i>Mycomya</i>	55
<i>simplex</i> Garrett, <i>Dixa</i>	42	<i>tibblesi</i> Stone & Jamnback, <i>Twinnia</i>	78
<i>simplicis</i> Curran, <i>Bibio</i>	5	<i>tibialis</i> Webb, <i>Tanytarsus</i>	38
<i>simplicistyla</i> Matile, <i>Ralytupa</i>	57	<i>tiriasdanta</i> Schmid, <i>Thaumalea</i>	81
<i>simpsoni</i> Epler, <i>Dicrotendipes</i>	24	<i>tokunagai</i> Grogan & Wirth, <i>Brachypogon</i>	9
<i>simulans</i> Townes, <i>Polypedilum</i>	31	<i>tora</i> Saether, <i>Mesosmittia</i>	28
<i>simulata</i> Walley, <i>Forcipomyia</i>	12	<i>torridus</i> Wirth & Hubert, <i>Culicoides</i>	11
<i>sitiens</i> Wirth & Hubert, <i>Culicoides</i>	11	<i>torta</i> Reiss, <i>Micropsectra</i>	28
<i>slossonae</i> Dyar & Shannon, <i>Simulium</i>	75	<i>torulata</i> Saether, <i>Parakiefferiella</i>	30
<i>sobria</i> Gagné, <i>Trichonta</i>	63	<i>townesi</i> Borkent, <i>Stenochironomus</i>	35
<i>solarii</i> Stone, <i>Simulium</i>	75	<i>transpacifica</i> Curran, <i>Sciara</i>	67
<i>sommermanae</i> Stone, <i>Cnephia</i>	68	<i>trapidoi</i> Wirth & Barreto, <i>Culicoides</i>	11
<i>sommermanae</i> Wirth & Blanton, <i>Culicoides</i>	11	<i>travisi</i> Stone, <i>Prosimulium</i>	72
<i>soosi</i> Mannheims, <i>Tipula</i>	85	<i>triannulatus</i> Borkent, <i>Stenochironomus</i>	35
<i>sordida</i> Wirth, <i>Bezzia</i>	9	<i>triannulatus</i> Saether, <i>Psilometriocnemus</i>	34
<i>spathis</i> Cook, <i>Arthria</i>	65	<i>tricornis</i> Oliver, <i>Trissocladius</i>	39
<i>spatulata</i> Schmid, <i>Austrothaumalea</i>	79	<i>tridhatu</i> Schmid, <i>Thaumalea</i>	81
<i>spatulifera</i> Saunders, <i>Forcipomyia</i>	14	<i>trifolia</i> Garrett, <i>Tanytus</i>	37
<i>spatulosus</i> Saether, <i>Limnophyes</i>	28	<i>trigonacies</i> Saether, <i>Zalutschia</i>	40
<i>spenceri</i> Alexander, <i>Cramptonomyia</i>	64	<i>trilobus</i> Webb, <i>Tanytarsus</i>	38
<i>sphagnumensis</i> Williams, <i>Culicoides</i>	11	<i>trinidadensis</i> Saunders, <i>Forcipomyia</i>	14
<i>spinacies</i> Saether, <i>Diamesa</i>	23	<i>triquetrus</i> Saether & Sublette, <i>Georthocladius</i>	24
<i>spiniplexus</i> Saether, <i>Nanocladius</i>	29	<i>truncata</i> Cook, <i>Anapausis</i>	65
<i>spinnatis</i> Saether, <i>Hydrobaenus</i>	26	<i>truncatus</i> Munroe, <i>Australosymmerus</i>	44
<i>spinosa</i> Saunders, <i>Forcipomyia</i>	15	<i>tryoni</i> Sponis, <i>Orthocladius</i>	30
<i>spiralis</i> Garrett, <i>Dixa</i>	42	<i>tuberculata</i> Saether, <i>Monodiamesa</i>	28
<i>stangei</i> Duret, <i>Dziedzickia</i>	48	<i>tuberculata</i> Saunders, <i>Forcipomyia</i>	16
<i>stonei</i> Grogan & Wirth, <i>Jenkinshalea</i>	16	<i>tuberculatus</i> Ewen, <i>Atrichopogon</i>	8
<i>stonei</i> Peterson, <i>Parasimulium</i>	70	<i>tumanicum</i> Baranov, <i>Simulium</i> <i>reptans</i>	75
<i>stricklandi</i> Fisher, <i>Exechia</i>	50	<i>tumidistylus</i> Saether, <i>Hydrobaenus</i>	26
<i>stricklandi</i> Laffoon, <i>Fungivora</i>	51	<i>turmale</i> Twinn, <i>Simulium</i>	78
<i>stuardoi</i> Duret, <i>Echinopodium</i>	49	<i>twinni</i> Stains & Knowlton, <i>Simulium</i>	78
<i>subaequalis</i> Malloch, <i>Chironomus</i>	21	<i>twinni</i> Wirth, <i>Bezzia</i>	9
<i>subarctica</i> Alexander, <i>Tipula</i>	85	<i>uinta</i> Peterson & Defoliart, <i>Prosimulium</i>	72
<i>subbarbata</i> Alexander, <i>Tipula</i>	85	<i>ultima</i> Cook, <i>Villoscatopse</i>	66
<i>subcaudata</i> Alexander, <i>Rhabdomastix</i>	83	<i>ultima</i> Väisänen, <i>Mycomya</i>	55
<i>subfasciger</i> Alexander, <i>Rhabdomastix</i>	83	<i>umbra</i> Stuckenberg, <i>Paulianina</i>	6
<i>subletti</i> Borkent, <i>Xestochironomus</i>	39	<i>umbraticola</i> Yamamoto, <i>Chironomus</i>	21
<i>subletti</i> Sponis, <i>Orthocladius</i>	30	<i>unacus</i> Townes, <i>Glyptotendipes</i>	24
<i>sublimbatella</i> Zaitzev, <i>Sciophila</i>	60	<i>uncatus</i> Munroe, <i>Symmerus</i>	60
<i>subminor</i> Matile, <i>Ralytupa</i>	57	<i>unica</i> Bystrak & Wirth, <i>Forcipomyia</i>	13
<i>suborientalis</i> Schmid, <i>Thaumalea</i>	80	<i>unicar</i> Saether, <i>Adactylocladius</i>	19
<i>subpolaris</i> Alexander, <i>Tipula</i>	85	<i>unicorn</i> Garrett, <i>Sciara</i>	67
<i>subserta</i> Alexander, <i>Tipula</i>	85		
<i>subtendens</i> Townes, <i>Tanytarsus</i>	38		
<i>subteresa</i> Garrett, <i>Bolitophila</i>	47		
<i>suffusa</i> Dow & Turner, <i>Bezzia</i>	9		
<i>summatis</i> Vockeroth, <i>Macrocera</i>	51		

unicum Twinn, Simulium	77	whitseli Clastrier & Wirth,	
unilobus Yamamoto, Chasmatonotus	20	Leptoconops	16
uniqua Garrett, Macrocera	52	wiensi Saether, Orthocladius	29
unispina Dow & Turner, Bezzia	9	williamsi Wirth, Parabezzia	17
unusus Garrett, Boletina	46	williamsi Wirth, Probezzia	18
urania Mannheims, Tipula	85	windwardensis Saether, Smittia	34
urdhvakantaka Schmid, Thaumalea	81	wirthi Saunders, Forcipomyia	14
ursinum Edward, Simulium	77	woodi Borkent, Stenochironomus	36
vakrakantaka Schmid, Thaumalea	81	woodi Väisänen, Mycomya	56
valdesia Schmid, Thaumalea	81	woodorum Peterson, Prosimulium	73
valida Gagné, Trichonta	63	woodorum Prionocera, Brodo	83
vancouverensis Alexander,		wyomingensis Stone & Defoliart,	
Phalarocera	83	Simulium	76
vardaricum Baranov, Simulium		xanifer Wirth & Blanton,	
reptans	75	Culicoides	12
variabilis Loew, Bibio	5	xanthus Sublette, Tanytarsus	38
varicolor Saunders, Forcipomyia	12	youngi Alexander, Tipula	85
variegata Wirth, Mallochohelea	17	youngi Wirth & Barreto, Culicoides	12
variola Garrett, Macrocera	52	zagrebienis Baranov, Odagmia	
varitarsis Curran, Psychoda	64	ornata	70
varius Borkent, Stenochironomus	34		
varius Townes, Tanytarsus	38		
vartula Schmid, Thaumalea	81		
vatus Borkent, Stenochironomus	35		
vegeta Laffoon, Fungivora	51		
venator Dyar & Shannon, Simulium	75		
venusta Laffoon, Fungivora	51		
verecunda Laffoon, Fungivora	51		
verecundum Stone & Jamnback,			
Simulium	78		
verio Garrett, Cordyla	47		
vernale Shewell, Prosimulium	72		
vernalis Sherman, Dziedzickia	48		
vernica Zaitzev, Sciophila	60		
vernoni Wirth & Blanton,			
Culicoides	12		
vespertinus Saether,			
Parametricnemus	30		
vesus Roback, Procladius	32		
vianai Duret, Mycetophila	52		
vibex Townes, Polypedilum	31		
villarricaense Duret, Echinopodium	49		
villosa Defoliart & Peterson,			
Cnephia	68		
villosa Garrett, Macrocera	52		
virgatus Saether & Sublette,			
Pseudorthocladius	33		
virgo Saether, Hydrobaenus	26		
vitracies Saether, Eukiefferiella	24		
vittatus Townes, Tanytarsus	38		
vockerothi Cook, Rhexmoclema	66		
vockerothi Duret, Austrosynapha	45		
vockerothi Duret, Dziedzickia	48		
vockerothi Duret, Echinopodium	50		
vockerothi Duret, Platyroptilon	57		
vockerothi Hansen & Cook, Diamesa	23		
vockerothi Munroe, Symmerus	60		
vockerothi Rasmussen, Chironomus	21		
vockerothi Saether, Zalutschia	40		
vockerothi Zaitzev, Sciophila	60		
vulgaris Garrett, Mycomya	55		
walkeri Ide, Palaeodipteron	64		
walleyi Alexander, Limonia	82		
walleyi Alexander, Oropeza	83		
walleyi Townes, Polypedilum	31		
walteri Grogan & Wirth, Palpomyia	17		
warmkei Wirth, Atrichopogon	8		
watsoni Freeman, Stenochironomus	34		
waughi Curran, Chionea	81		
weneri Wirth & Atchley,			
Leptoconops	16		
weneri Wirth & Blanton,			
Culicoides	12		